

BENCHMARK #2001

Found a 4-inch diameter steel cap with punch mark, on headwall of "B" Canal, stamped USC&GS (United States Coastal & Geodetic Survey), R257, NGS PID Number DB 0239 NAVD 1988 EL. 217.10 SFT.

Located 40 feet East of Centerline of Avenue 3E and 16½ feet West of Railroad tracks.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'50.02867" North

Longitude 114°34'53.37624" West

Ellipsoid Height 106.274 U.S. Survey Feet/106.274 International Feet/32.39238 Meters.

North 612,337.425 U.S. Survey Feet / 612,338.6497 International Feet.

East 444,157.613 U.S. Survey Feet / 444,158.5013 International Feet.

NAVD-1988-Elevation

217.26 U.S. Survey Feet / 217.26 International Feet / 66.2209 Meters.

These are the results of a 30 minute Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: July 29, 2005 Previous Observer: Louis Romero

NGVD-1929-Elevation

217.26 NAVD 1988

-2.15 Area Constant

215.11 U.S. Survey Feet/ 215.11 International Feet/ 65.5656 Meters.

Latest Observation Date: Friday, March 26, 2010. Greenwich Mean Time 04:05:49 PM.

Epoch Date-1269619549

Julian Date-2455282.17071

Observer: Enrique S. Urbieto

BENCHMARK 2002

A 3 inch diameter brass cap in a hand hole with only a punch mark, located between 2 irrigation canal headwalls on 24th Street and Avenue 2 ½ E.

NAD-1983-Coordinates

Latitude 32° 41' 02.94136" North
Longitude 114° 35' 24.46132" West
Ellipsoid Height 103.320 survey feet
North 613,663.390 survey feet
East 441,510.963 survey feet

NAVD-1988-Elevation

214.338 survey feet

NAD-1927-Coordinates

North 613,623.945 survey feet
East 241,748.046 survey feet

NGVD-1929-Elevation

212.161 survey feet

Observation Date: Wednesday, April 23rd, 2003.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK #2003

An ADOT 3" diameter brass cap in a hand hole properly stamped as a Section Corner. Located at the intersection of Pacific Avenue and 24th Street. The Northeast Corner of Section 3, Township 9 South, Range 23 West of the Gila and Salt River Base and Meridian.

NAD-1983-Coordinates

Latitude 32° 41' 02.70620" North

Longitude 114° 35' 55.41380" West

Ellipsoid Height 97.373 survey feet

North 613,660.638 survey feet

East 438,865.422 survey feet

NAVD-1988-Elevation

208.321 survey feet

NAD-1927-Coordinates

North 613,621.073 survey feet

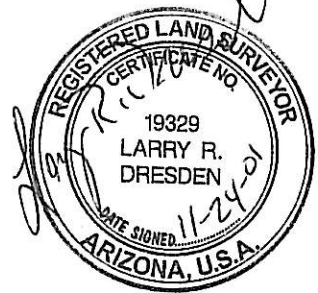
East 239,102.416 survey feet

NGVD-1929-Elevation

206.128 survey feet

Observation Date: Thursday, November 15th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2004

Found a 3-inch diameter aluminum cap stamped "A.D.O.T. HIGHWAY DIV., T9S, R23W, ¼, S3, S2, 1987.", in a hand hole approximately 6 inches below the asphalt road surface.

Being located at ~~the centerline of~~ Palo Verde Street and Pacific Avenue.

This is a Section Corner being the
West ¼ Corner of Section 2, T9S, R23W;
East ¼ Corner of Section 3, T9S, R23W, of the Gila and Salt River Base and Meridian.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°40'36.25975" North
Longitude 114°35'55.34374" West
Ellipsoid Height 98.111 survey feet, (or 29.904 meters)
North 610,948.317 survey feet
East 239,086.995 survey feet

NGVD-1929-Elevation

206.942 survey feet, (or 63.076 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'36.25986" North
Longitude 114°35'55.34380" West
Ellipsoid Height 98.078 survey feet, (or 29.894 meters)
North 610,987.847 survey feet
East 438,849.975 survey feet

NAVD-1988-Elevation

209.074 survey feet, (or 63.726 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation, with 2003 GEOID.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Monday, July 18, 2005.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License # 19329
California License # 5643



BENCHMARK # 2005

Found previously a 3in. diameter Brass Cap LS19329-COY-1999, with a punch mark, encased in concrete, flush with asphalt. Found a 3in. diameter Brass Cap LS22767-DRA-2010, properly stamped, encased in concrete, in frame and cover, 6in. below asphalt. This is the common Section Corner of Sections 2, 3, 10 and 11, T9S, R23W, of the Gila And Salt River Base And Meridian.

Located in the intersection of Pacific Ave. and 32nd St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'09.91880" North

Longitude 114°35'55.27313" West

Ellipsoid Height 99.496 US Survey Feet / 99.496 International Feet / 30.32645 Meters.

North 608,325.6010 US Survey Feet. / 608,326.8177 International Feet.

East 438,834.7780 US Survey Feet. / 438,835.6557 International Feet.

NAVD-1988-Elevation

210.59 US Survey Feet. / 210.59 International Feet. / 64.18797 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 15, 2001 Previous Observer: Larry R. Dresden

NGVD-1929-Elevation

210.59 NAVD-1988

- 2.15 Area Constant

208.44 US Survey Feet. / 63.53265 Meters.

Latest Observation Date: January 19, 2011 Greenwich Mean Time- 4:56:41 PM.

Epoch Date-1295456201

Julian Date- 2455581.20603

Observer: Enrique S. Urbieto

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2006

Found previously a 3in. diameter Brass Cap LS 19329-COY-2003, with punch mark, in frame and cover 6in. below asphalt. Found a 3in. diameter, Brass cap LS 22767-DRA-2010, properly stamped, in frame and cover 6in. below asphalt. This is the Common $\frac{1}{4}$ Corner for Sections 2 and 11, T9S, R23W, G&SRB&M.

Located on Ave. 2 1/2E and 32nd St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'10.31699" North

Longitude 114°35'24.15771" West

Ellipsoid Height : 101.863 US Survey Feet / 101.863 International Feet / 31.04791 Meters.

North 608,344.6840 US Survey Feet / 608,345.9007 International Feet.

East 441,494.9130 US Survey Feet / 441,495.7960 International Feet.

NAVD-1988-Elevation

212.94 US Survey Feet. / 212.94 International Feet. / 64.90425 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: April 28, 2003 Previous Observer: Larry R. Dresden

NGVD-1929-Elevation

212.94 NAVD-1988

-2.15 Area Constant

210.79 US Survey Feet. / 64.24893 Meters.

Latest Observation Date: December 23, 2010 Greenwich Mean Time 6:03:58 PM.

Epoch Date- 1293127438

Julian Date- 2455554.25275

Observer: Enrique S. Urbietta

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2007

In 1997 COY Survey Dept. found a 1in. dia. iron pipe 1ft. below ground with, a B. of R. - 1961 brass cap properly stamped, laying beside it. Set a 3in. dia. brass cap over it, encased in concrete inside a frame and cover. Found a 3in. dia. brass cap LS 19329-COY-1997 properly stamped, encased in concrete, 9 inches below ground, in frame and cover. This is the South Quarter Corner of Section 22, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located at Ave. 1 ½ E. and 8th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'47.10847" North

Longitude 114°36'26.75304" West

Ellipsoid Height 19.009 US Survey Feet / 19.009 International Feet / 5.7940 Meters.

North 624,233.5990 US Survey Feet. / 624,234.8475 International Feet.

East 436,272.2150 US Survey Feet. / 436,273.0875 International Feet.

NAVD-1988-Elevation

129.85 US Survey Feet. / 129.85 International Feet. / 38.3592 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 24, 2003 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

129.85 NAVD-1988

- 2.15 Area Constant

127.70 US Survey Feet. / 127.70 International Feet. / 38.92304 Meters.

Latest Observation Date: March 15, 2013 Greenwich Mean Time 03:33:10 PM.

Epoch Date - 1363361590

Julian Date - 2456367.14803

Observer: Enrique S. Urbieta and Louis Romero.

Under the Direct Supervision of : Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK #2008

Found a 3" diameter ADOT aluminum cap located in H.H.

Stamped: Arizona Highway Dept. w/punch, 1976

This is the East ¼ Corner of Section 2, T8S, R23W of the Gila and Salt River Base and Meridian.

T9S (esu)

Being located approximately 15 feet east of the edge of asphalt road at the intersection of Palo Verde and Avenue 3E.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°40'36.89755" North
Longitude 114°34'53.27018" West
Ellipsoid Height 102.916 survey feet, (or 32.077 meters)
North 610,970.813 survey feet
East 244,393.203 survey feet

NGVD-1929-Elevation

211.716 survey feet, (or 65.99 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'40.89758" North
Longitude 114°34'53.27013" West
Ellipsoid Height 102.945 survey feet, (or 32.09 meters)
North 611,010.295 survey feet
East 444,156.192 survey feet

NAVD-1988-Elevation

213.913 survey feet, (or 66.67 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation with 2003 Geoid.

Observation Date: Tuesday, July 29, 2005.

Observer: Louis Romero

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2009

Found a 5/8-inch diameter rebar in a hand hole, approximately 3 inches below the asphalt road surface.

Being located at the centerline of Palo Verde Street and Avenue 2 ½ E.

This is a Section Corner being the
Center ¼ Corner of Section 2, T9S, R23W, of the Gila and Salt River Base and Meridian.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°40'36.58040" North
Longitude 114°35'24.30512" West
Ellipsoid Height 98.916 survey feet, (or 30.150 meters)
North 610,959.632 survey feet
East 241,740.259 survey feet

NGVD-1929-Elevation

207.727 survey feet, (or 63.315 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'36.58051" North
Longitude 114°35'24.30495" West
Ellipsoid Height 98.886 survey feet, (or 30.141 meters)
North 610,999.143 survey feet
East 441,503.258 survey feet

NAVD-1988-Elevation

209.862 survey feet, (or 63.966 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation, *with 2003 GEOID,*

Previous Observation Date: Friday, April 25, 2003.

Previous Observer: Larry R. Dresden

Latest Observation Date: Friday, July 15, 2005.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor
Arizona License # 19329
California License # 5643



BENCHMARK # 2010

Found previously a 3in. diameter brass cap, flush with asphalt. After the water line replacement project this was replaced by a 3in. Brass cap LS 22767-DRA-2013, properly stamped in frame and cover 9in. below asphalt. This is the South Quarter Corner of Sections 34, T8S, R23W and the North Quarter Corner of Section 3, T9S, R23W, G&SRB&M.

Located on Ave. 1 ½ E and 24th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'02.51048" North

Longitude 114°36'26.46960" West

Ellipsoid Height : 92.500 US Survey Feet / 92.500 International Feet / 28.19406 Meters.

North 613,662.1980 US Survey Feet / 613,663.4253 International Feet.

East 436,210.9730 US Survey Feet / 436,211.8454 International Feet.

NAVD-1988-Elevation

203.52 US Survey Feet. / 203.52 International Feet. / 62.03302 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: August 17, 2005 Previous Observer: John Nye

NGVD-1929-Elevation

203.52 NAVD-1988

-2.15 Area Constant

201.37 US Survey Feet. / 61.3777 Meters.

Latest Observation Date: November 27, 2013 Greenwich Mean Time 5:49:02 PM.

Epoch Date- 1385574542

Julian Date- 2456624.24238

Observer: Enrique S. Urbieto

BENCHMARK #2011

A City of Yuma 3" diameter brass cap properly stamped as a Section Corner flush with the asphalt. Also stamped with LS19329 and the year of 2000. Located at the intersection of Arizona Avenue and 24th Street. The Northwest Corner of Section 3, Township 9 South, Range 23 West of the Gila and Salt River Base and Meridian.

NAD-1983-Coordinates

Latitude 32° 41' 02.31839" North

Longitude 114° 36' 57.52386" West

Ellipsoid Height 91.959 survey feet

North 613,664.342 survey feet

East 433,556.652 survey feet

NAVD-1988-Elevation

202.968 survey feet

NAD-1927-Coordinates

North 613,624.760 survey feet

East 233,793.650 survey feet

NGVD-1929-Elevation

200.782 survey feet

Observation Date: Thursday, November 15th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2012

On October 28, 2002 COY survey crew found a 4x4 redwood snapped of about 1ft. below ground. Set a 3" diameter brass cap, LS 19329-COY-2002, encased in concrete. (In backyard of 2901 S. AZ. Ave.) Found a 3" diameter brass cap, LS19329-COY-2002, properly stamped, encased in concrete, 4" below ground. This is the W ¼ Corner of Section 3, and, the E ¼ Corner of Section 4, T9S, R23W, of the Gila And Salt River Base And Meridian.

Located on Arizona Ave. and Palo Verde Street.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'35.99188" North

Longitude 114°36'57.30693" West

Ellipsoid Height 82.719 US Survey Feet / 82.719 International Feet / 25.2128 Meters.

North 611,003.5040 US Survey Feet / 611,004.7260 International Feet.

East 433,553.4790 US Survey Feet / 433,554.3461 International Feet.

NAVD-1988-Elevation

193.82 US Survey Feet. / 193.82 International Feet / 59.0765 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: October 28, 2002 Previous Observer: Larry R. Dresden.

NGVD-1929-Elevation

193.82 NAVD 1988

-2.15 Area Constant

191.67 U.S. Survey Feet / 58.42113 Meters.

Latest Observation Date: March 12, 2014 Greenwich Mean Time-04:54:57 PM.

Epoch Date-1394643297

Julian Date- 2456729.20483

Observer: Enrique S. Urbieto

BENCHMARK # 2013

Found previously a 3in. diameter Brass Cap LS19329-COY-2004, properly stamped, encased in concrete, flush with asphalt. Found a 3in. diameter Brass Cap LS22767-DRA-2010, properly stamped, encased in concrete, flush with asphalt. This is the common Section Corner of Sections 3, 4, 9 and 10, T9S, R23W, of the Gila And Salt River Base And Meridian.

Located in the intersection of Arizona Ave. and 32nd St. As shown on Record of Survey. Book 4 of Surveys, Pages 73-76. Fee # 2005-34275 Date: 08/08/2005

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'09.72370" North

Longitude 114°36'57.09511" West

Ellipsoid Height 84.924 US Survey Feet / 84.924 International Feet / 25.8849 Meters.

North 608,348.5680 US Survey Feet. / 608,349.7847 International Feet.

East 433,549.9250 US Survey Feet. / 433,550.7921 International Feet.

NAVD-1988-Elevation

196.07 US Survey Feet. / 196.07 International Feet. / 59.76227 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: October 22, 2004 Previous Observer: Cryselle Uribe

NGVD-1929-Elevation

196.07 NAVD-1988

- 2.15 Area Constant

193.92 US Survey Feet. / 59.10695 Meters.

Latest Observation Date: January 20, 2011 Greenwich Mean Time- 5:23:38 PM.

Epoch Date-1295544218

Julian Date- 2455582.22475

Observer: Enrique S. Urbieto

Under the Direct Supervision of:

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2014

Found previously a 1/2in. diameter rebar in frame and cover. Found a 3in. Brass cap LS 22767-DRA-2010, in frame and cover 6in. below asphalt. This is the Common 1/4 Corner for Sections 3 and 10, T9S, R23W, G&SRB&M.

Located on Fortuna Ave. (South) and 32nd St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'09.82305" North

Longitude 114°36'26.17998" West

Ellipsoid Height : 83.290 US Survey Feet / 82.290 International Feet / 25.08205 Meters.

North 608,337.1560 US Survey Feet / 608,338.3727 International Feet.

East 436,192.7090 US Survey Feet / 436,193.5814 International Feet.

NAVD-1988-Elevation

194.41 US Survey Feet. / 194.41 International Feet. / 59.25629 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 15, 2001 Previous Observer: Larry R. Dresden

NGVD-1929-Elevation

194.41 NAVD-1988

-2.15 Area Constant

192.26 US Survey Feet. / 58.60097 Meters.

Latest Observation Date: December 20, 2010 Greenwich Mean Time 8:50:51 PM.

Epoch Date- 1292878251

Julian Date- 2455551.36865

Observer: Enrique S. Urbieto

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2015

Found a 3-inch diameter brass cap stamped "CITY OF YUMA, T9S, R23W, S3, C1/4, 2002, LS 19329", set in concrete underneath a chain link fence.

This is a Section Corner being the
Center $\frac{1}{4}$ Corner of Section 3, T9S, R23W, of the Gila and Salt River Base and Meridian.

Located between the parking lots of VILLA PALO VERDE and VERDE POINTE
apartments at Palo Verde Lane and Mary Avenue.
East.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°40'36.12569" North
Longitude 114°36'26.32205" West
Ellipsoid Height 88.823 survey feet, (or 27.073 meters)
North 610,956.033 survey feet
East 236,439.034 survey feet

NGVD-1929-Elevation

195.422 survey feet (or 59.565 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'36.12574" North
Longitude 114°36'26.32216" West
Ellipsoid Height 88.831 survey feet, (or 27.076 meters)
North 610,995.576 survey feet
East 436,202.010 survey feet

NAVD-1988-Elevation

197.614 survey feet, (or 60.233 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation. Using GEOID 2003.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Friday, February 10, 2006.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor
Arizona License # 19329
California License # 4653



BENCHMARK # 2016

Found a 3" diameter aluminum cap in hand hole. Stamped A.D.O.T. Highway Div.

This is a Section 1/4 Corner being the South 1/4 Corner of Section 33, T8S, R23W, of the Gila and Salt River Base and Meridian.

Being located at the intersection of 24th Street and 4th Avenue.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'02.26233" North

Longitude 114°37'28.59229" West

Ellipsoid Height 87.660 US survey feet, (or 26.719 meters)

North 613640.883 US survey feet

East 231138.279 US survey feet

NGVD-1929-Elevation

196.552 US survey feet, (or 59.909 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'02.26223" North

Longitude 114°37'28.59225" West

Ellipsoid Height 87.661 US survey feet, (or 26.719 meters)

North 613680.450 US survey feet

East 430901.287 US survey feet

NAVD-1988-Elevation

198.713 US survey feet, (or 60.568 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation. Using Geoid 2003.

Latest Observation Date: Tuesday March 7, 2006.

Observer: John Nye

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License #5643

BENCHMARK # 2017

Found a 3in. dia. Brass Cap LS 49335-2010-DDE properly stamped, 5in. below asphalt in frame and cover. A 3in. dia. Brass Cap 12in. below asphalt in frame and cover was found prior. This the common Section Quarter Corner of Sections 32 and 33, T8S, R23W and Sections 4 and 5, T9S, R23W, of the Gila And Salt River Base And Meridian.

Located at the intersection of Ave. A and 24th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'02.19180" North

Longitude 114°37'59.66994" West

Ellipsoid Height 93.512 US survey feet / 93.512 International feet / 28.50252 meters.

North 613,695.328 US survey feet. / 613,696.5554 International feet.

East 428,245.142 US survey feet. / 428,245.99852 International feet.

NAVD-1988-Elevation

204.61 US survey feet. / 204.61 International feet. / 62.36526 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: December 8, 2003

Previous Observer: Martin Sandoval and Cryselle Uribe

NGVD-1929-Elevation

204.61 NAVD 1988

-2.15 Area Constant

204.46 U.S. Survey Feet / 204.46 International Feet.

Latest Observation Date: Wednesday, June 02, 2010 Greenwich Mean Time-09:08:06 PM.

Epoch Date-1275512886

Julian Date- 2455350.38063

Observer: Enrique S. Urbieto

Under the Direct Supervision of : Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2018

Found prior a 3" diameter brass cap, LS 22767-2001, properly stamped, flush with asphalt.
Found a 3" diameter brass cap, LS 22767-2001 encased in concrete, flush with asphalt and properly stamped. This is the Common Quarter Corner of Sections 4 and 5, T9S, R23W, of the Gila And Salt River Base And Meridian.

Located on Ave. A and the 28th Street Alignment.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'36.00081" North

Longitude 114°37'59.20367" West

Ellipsoid Height 56.227 US Survey Feet / 56.227 International Feet / 17.13802 Meters.

North 611,048.0070 US Survey Feet / 611,049.2291 International Feet.

East 428,262.8210 US Survey Feet / 428,262.6775 International Feet.

NAVD-1988-Elevation

167.40 US Survey Feet. / 167.40 International Feet / 51.023623 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 09, 2004 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

167.40 NAVD 1988

-2.15 Area Constant

165.25 U.S. Survey Feet / 50.368302 Meters.

Latest Observation Date: March 25, 2014 Greenwich Mean Time-05:42:19 PM.

Epoch Date-1395769339

Julian Date- 2456742.23772

Observer: Enrique S. Urbieto

BENCHMARK # 2019

Found prior a 3 inch diameter brass cap, LS 19329-COY-2003 properly stamped, flush with asphalt. After reconstruction of 32nd. Street, a 3 inch diameter brass cap LS 19329-COY-2012 properly stamped, was set in frame and cover 8 inches below asphalt. This is the common Corner of Sections 4, 5, 8 and 9, T9S, R23W, of the Gila And Salt River Base And Meridian.

Located at Ave. A and 32nd. Street.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'09.85718" North

Longitude 114°37'58.90568" West

Ellipsoid Height 72.013 US Survey Feet / 72.013 International Feet / 21.94961 Meters.

North 608,405.5900 US Survey Feet. / 608,406.8068 International Feet.

East 428,266.3080 US Survey Feet. / 428,267.1645 International Feet.

NAVD-1988-Elevation

183.24 US Survey Feet. / 183.24 International Feet. / 55.8517 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: September 22, 2004

Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

183.24 NAVD-1988

- 2.15 Area Constant

181.09 US Survey Feet. / 181.09 International Feet. / 55.19635 Meters.

Latest Observation Date: October 08, 2012 Greenwich Mean Time 03:43:57 PM.

Epoch Date - 1349711037

Julian Date - 2456209.15552

Observer: Enrique S. Urbieto, Jesse Gonzalez, Louis Romero and John Nye.

Under the Direct Supervision of :

Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2020

Found a 3 inch diameter brass cap, stamped "C.O.Y., L.S. 19329, 1999.", set in a hand hole approximately 1 foot below the asphalt road surface.

This is a Section ¼ Corner being the
North ¼ Corner of Section 9, T9S, R23W;
South ¼ Corner of Section 4, T9S, R23W, of the Gila and Salt River Base and Meridian.

Being located at the centerline of 32nd Street and 4th Avenue.

NAD-1927-Coordinates (Arizona Zone 0203)

Latitude 32°40'09.79309" North
Longitude 114°37'27.99775" West
Ellipsoid Height 85.419 survey feet, (or 26.036 meters)
North 608,337.749 survey feet
East 231,145.437 survey feet

NGVD-1929-Elevation

194.395 survey feet, (or 59.252 meters)

NAD-1983-Coordinates (Arizona Zone 0203)

Latitude 32°40'09.79301" North
Longitude 114°37'27.99782" West
Ellipsoid Height 85.468 survey feet, (or 26.051 meters)
North 608,377.319 survey feet
East 430,908.396 survey feet

NAVD-1988-Elevation

196.607 survey feet, (or 59.926 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Wednesday, September 22nd, 2004.
Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License # 19329
California License # 5643



2021
BENCHMARK #~~3012~~

Located at the intersection of the centerline of Avenue 6E and the centerline of 36th Street. A ½" diameter rebar with a plastic cap, LS22767, at the surface of the paved road. The West Quarter Section Corner of Section 9, Township 9 South, Range 22 West.

NAD-1983-Coordinates

Latitude 32° 39' 46.00113" North
Longitude 114° 31' 47.94895" West
Ellipsoid Height 103.794 survey feet
North 605,746.182 survey feet
East 459,958.784 survey feet

NAVD-1988-Elevation

214.865 survey feet

NAD-1927-Coordinates

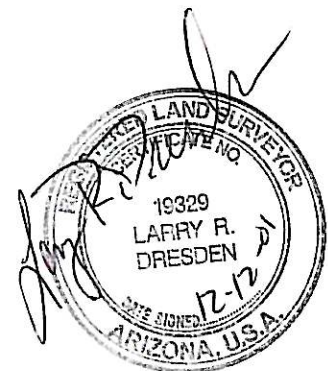
North 605,706.831 survey feet
East 260,195.862 survey feet

NGVD-1929-Elevation

212.791 survey feet

Observation Date: Monday, October 22nd, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2022

Found a 3 inch diameter brass cap with a punch mark and LS #22767, set in concrete flush with the asphalt road surface.

This is a Section ¼ Corner being the
North ¼ Corner of Section 5, T9S, R23W;
South ¼ Corner of Section 32, T8S, R23W, of the Gila and Salt River Base and Meridian.

Being located at the intersection of 24th Street and Camino Alameda.

NAD-1927- Coordinates (Arizona West Zone 0203)

Latitude 32°41'02.10259" North
Longitude 114°38'30.51430" West
Ellipsoid Height 15.123 survey feet, (or 4.610 meters)
North 613,668.746 survey feet
East 225,845.838 survey feet

NGVD-1929-Elevation

124.098 survey feet, (or 37.826 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'02.10282" North
Longitude 114°38'30.51460" West
Ellipsoid Height 15.097 survey feet, (or 4.612 meters)
North 613,708.386 survey feet
East 425,608.817 survey feet

NAVD-1988-Elevation

126.229 survey feet, (or 38.475 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation with 2003 Geoid.

Previous Observation date:

Previous Observer:

Latest Observation Date: Wednesday, November 9th, 2004.

Observer: Cryselle Uribe

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2023

Found previously a 3in. dia. ADOT Aluminum Cap with punch mark, 6in. below asphalt in frame and cover. Found a 3in. dia. ADOT Aluminum Cap with punch mark, not properly stamped in frame and cover, 6in. below asphalt. This is the Common Corner of Sections 31 and 32, T8S, R23W and the Common Corner of Sections 5 and 6, T9S, R23W of the Gila & Salt River Base and Meridian.

Located on Ave. B and 24th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'02.01497" North

Longitude 114°39'01.43336" West

Ellipsoid Height : 12.094 US Survey Feet / 12.094 International Feet / 3.6863 Meters.

North 613,721.8360 US Survey Feet / 613,723.0634 International Feet.

East 422,965.9970 US Survey Feet / 422,966.8429 International Feet.

NAVD-1988-Elevation

123.30 US Survey Feet. / 123.30 International Feet. / 37.58192 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: January 02, 2004

Previous Observer: John Nye and Cryselle Uribe.

NGVD-1929-Elevation

123.30 NAVD-1988

-2.15 Area Constant

121.15 US Survey Feet. / 36.9266 Meters.

Latest Observation Date: September 24, 2013 Greenwich Mean Time 10:19:46 AM.

Epoch Date- 1380017986

Julian Date- 2456559.93039

Observer: Enrique S. Urbieto and Louis Romero.

BENCHMARK # 2024

Found previously a PK nail with Brass Tag LS 22767 in concrete collar of manhole, flush with asphalt, set at 0.70ft. East of hand hole, containing an Aluminum Stem set in concrete, and broken pieces of an obliterated Aluminum Cap LS 22767-ADOT. Also found another aluminum stem, monument below the PK nail. Set a 3in. diameter Brass Cap, LS 19329-COY-2010, properly stamped, encased in concrete, 6in. below asphalt in frame and cover. This is the common 1/4 Corner of Sections, 5 and 6, T9S, R23W, of the G. & S. R. B. & M.

Located on Ave. B and 28th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'36.30538" North

Longitude 114°39'00.95625" West

Ellipsoid Height : 11.609 US Survey Feet / 11.609 International Feet / 3.53844 Meters.

North 611,123.143 US Survey Feet / 611,124.3652 International Feet.

East 422,984.729 US Survey Feet / 422,985.5750 International Feet.

NAVD-1988-Elevation

122.86 US Survey Feet. / 122.86 International Feet. / 37.44781 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: February 02, 2004

Previous Observer: Louis Romero, Cryselle Uribe

NGVD-1929-Elevation

122.86 NAVD-1988

-2.15 Area Constant

120.71 US Survey Feet. / 36.79249 Meters.

Latest Observation Date: December 29, 2010 Greenwich Mean Time 4:43:32 PM.

Epoch Date- 1293641012

Julian Date- 2455560.1969

Observer: Enrique S. Urbieto

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2025

Found prior a 3 inch diameter aluminum cap, with punch mark, LS 22767-ADOT. In frame and cover 6 inches below asphalt. After reconstruction of 32nd. Street, a 3 inch diameter brass cap LS 19329-COY-2012 properly stamped, was set in frame and cover 10 inches below asphalt. This is the common Corner of Sections 5, 6, 7 and 8, T9S, R23W, of the Gila And Salt River Base And Meridian.

Located at Ave. B and 32nd. Street.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'10.00134" North

Longitude 114°39'00.48855" West

Ellipsoid Height 10.393 US Survey Feet / 10.393 International Feet / 3.1678 Meters.

North 608,464.3820 US Survey Feet. / 608,465.5989 International Feet.

East 423,002.1570 US Survey Feet. / 423,003.0030 International Feet.

NAVD-1988-Elevation

121.69 US Survey Feet. / 121.69 International Feet. / 37.0912 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: September 09, 2004

Previous Observer: Cryselle Uribe.

NGVD-1929-Elevation

121.69 NAVD-1988

- 2.15 Area Constant

119.54 US Survey Feet. / 119.54 International Feet. / 36.4359 Meters.

Latest Observation Date: October 09, 2012 Greenwich Mean Time 04:45:08 PM.

Epoch Date - 1349811008 Julian Date - 2456210.19801

Observer: Enrique S. Urbieta, Jesse Gonzalez, Louis Romero and John Nye.

Under the Direct Supervision of :

Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2026

On April 19, 1982 according to Book 9, Page 20 of the YCHD Corner Record was found a 3in. dia. Iron pipe concrete filled, with nail in center. On November 09, 2004 was found a 1½ in. dia. Aluminum cap stamped "YCHD, ¼, S5, S8.", in frame and cover, about 1 foot below asphalt. After reconstruction of 32nd. Street, a 3 inch diameter brass cap LS 19329-COY-2012 properly stamped, was set in frame and cover 8 inches below asphalt. This is the common Quarter Corner of Sections 5 and 8, T9S, R23W, of the Gila And Salt River Base And Meridian.

Located at Ave. A ½ and 32nd. Street.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'10.04527" North

Longitude 114°38'29.58227" West

Ellipsoid Height 18.503 US Survey Feet / 18.503 International Feet / 5.63973 Meters.

North 608,446.5220 US Survey Feet. / 608,447.7389 International Feet.

East 425,644.1490 US Survey Feet. / 425,645.0003 International Feet.

NAVD-1988-Elevation

129.76 US Survey Feet. / 129.76 International Feet. / 39.5510 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 09, 2004

Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

129.76 NAVD-1988

- 2.15 Area Constant

127.61 US Survey Feet. / 127.61 International Feet. / 38.89561 Meters.

Latest Observation Date: October 08, 2012 Greenwich Mean Time 05:26:36 PM.

Epoch Date - 1349717196

Julian Date - 2456209.22681

Observer: Enrique S. Urbietta, Jesse Gonzalez, Louis Romero and John Nye.

Under the Direct Supervision of :

Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2027

Found a ½ in. diameter Pipe, 18in. below surface, 0.40ft. SW of found 1/2in. diameter Rebar previously set by Juan Lomeli with his plastic cap LS 22767, with Brass Tag, LS 19329, attached to it, on ground level. Set a 3in. diameter Brass Cap LS 19329-COY-2011, properly stamped in frame. This being the Center ¼ Corner of Section 5, T9S, R23W, of the Gila And Salt River Base And Meridian.

Located at Ave. A ½ and 28TH ST. (In alleyway between Yuma Catholic and Hacienda Estates.)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'36.15539" North

Longitude 114°38'30.05031" West

Ellipsoid Height 10.074 US Survey Feet / 10.074 International Feet / 3.0706 Meters.

North 611,085.6790 US Survey Feet. / 611,086.9012 International Feet.

East 425,626.3120 US Survey Feet. / 425,627.1633 International Feet.

NAVD-1988-Elevation

121.28 US survey feet. / 121.28 International feet. / 36.96622 Meters.

These are the results of 30 min. Trimble 4800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 12, 2004

Previous Observer: Martin Sandoval

NGVD-1929-Elevation

121.28 NAVD-1988

- 2.15 Area Constant

119.13 US survey feet. / 119.13 International Feet. / 36.3110 Meters.

Latest Observation Date: July, 22, 2011 Greenwich Mean Time 02:38:02 PM.

Epoch Date-1311344882

Julian Date- 2455765.10975

Observer: Enrique S. Urbieto

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2028

Found a 3" diameter cap in handhole. Stamped Arizona Highway Dept.

This is a Section 1/4 Corner being the East 1/4 Corner of Section 34, and the West 1/4 Corner of Section 35, T8S, R23W, of the Gila and Salt River Base and Meridian.

Being located on the East side of Avenue 2E, at the intersection of 20th Street and Avenue 2E (Pacific Avenue).

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'28.84716" North

Longitude 114°35'55.52525" West

Ellipsoid Height 104.563 US survey feet, (or 31.871 meters)

North 616263.116 US survey feet

East 239113.948 US survey feet

NGVD-1929-Elevation

213.309 US survey feet, (or 65.017 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'28.84723" North

Longitude 114°35'55.52542" West

Ellipsoid Height 104.598 US survey feet, (or 31.882 meters)

North 616302.641 US survey feet

East 438876.957 US survey feet

NAVD-1988-Elevation

215.505 US survey feet, (or 65.686 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation. Using Geoid 2003.

Latest Observation Date: Monday March 6, 2006.

Observer: John Nye

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK #2029

Found 3-inch aluminum cap in hand hole stamped, Arizona Highway Division with punch. Located in the intersection of 16th Street (County 9th Street) & Pacific Avenue (Avenue 2 East), being the Northeast Corner of Section 34.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'54.94590" North
Longitude 114°35'55.63975" West
Ellipsoid Height 29.673 U.S. Survey Feet, (or 9.04 meters)
North 618,900.24 U.S. Survey Feet
East 239,125.24 U.S. Survey Feet

NGVD-1929-Elevation: 138.376 U.S. Survey Feet, (or 42.18 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'54.94603" North
Longitude 114°35'55.63993" West
Ellipsoid Height 29.651 U.S. Survey Feet, (or 9.04 meters)
Northing 618,940.363 U.S. Survey Feet
Easting 438,888.268 U.S. Survey Feet

NAVD-1988-Elevation: 140.514 U.S. Survey Feet, (or 42.83 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation

Previous Observation Date: Friday November 14, 2003
Previous Observers: Louis Romero & Cryselle Uribe

Latest Observation Date: Tuesday June 27, 2006
Observers: Louis Romero & John Nye

GPS Time Stamp

Gregorian: June 27, 2006 AKA 178/2006
Julian: 2453914.2659
Greenwich Mean Time: 18:22:54
Mountain Standard Time: 11:22:54
Epoch Date: 1151432574

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2030

Found previously a Railroad Spike, replaced by a 1/2in. diameter rebar with plastic cap LS 22767, replaced by a 3" diameter Brass cap LS 19329-COY-2003, properly stamped, set in epoxy 1in. below asphalt, replaced by a 3in. diameter Brass Cap LS 22767-DRA-2010, replaced by a 3in. diameter Brass Cap LS 19329-COY-2011 and LS 22767-DRA-2010, properly stamped on concrete Median. This being the Section ¼ Corner of Sections, 27 and 34, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located at: Ave. 1 ½ E and 16th. Street

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'54.84023" North

Longitude 114°36'26.57248" West

Ellipsoid Height 84.685 US Survey Feet / 84.685 International Feet / 25.8121 Meters.

North 618,950.974 US Survey Feet. / 618,952.2119 International Feet.

East 436,244.928 US Survey Feet. / 436,245.8005 International Feet.

NAVD-1988-Elevation

195.61 US Survey Feet. / 195.61 International Feet. / 59.6221 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: December 1, 2003

Previous Observer: Martin Sandoval & Cryselle Uribe

NGVD-1929-Elevation

195.61 NAVD 1988

-2.15 Area Constant

193.46 U.S. Survey Feet / 193.46 International Feet.

Latest Observation Date: June 17, 2011 Greenwich Mean Time 04:13:29 PM.

Epoch Date-1308327209

Julian Date- 2455730.1703

Observer: Enrique S. Urbieto

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2031

Found previously a 3in. diameter Brass Cap, LS 19329-COY. Flush with asphalt road. Found a 3in. diameter Brass Cap LS 22767-DRA-2011, properly stamped, 6in. below asphalt in frame and cover. This is the common Section Corner for Sections 27, 28, 33 and 34, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located in the intersection of Arizona Ave. and 16th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'54.73033" North

Longitude 114°36'57.50172" West

Ellipsoid Height 98.084 US Survey Feet / 98.084 International Feet / 29.8961 Meters.

North 618,961.3420 US Survey Feet / 618,962.5799 International Feet.

East 433,601.7890 US Survey Feet / 433,602.6562 International Feet.

NAVD-1988-Elevation

209.04 US Survey Feet. / 209.04 International Feet. / 63.71553 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 14, 2003

Previous Observer: Martin Sandoval & John Nye.

NGVD-1929-Elevation

209.04 NAVD-1988

- 2.15 Area Constant

206.89 US Survey Feet. / 63.0603 Meters.

Latest Observation Date: October 03, 2011 Greenwich Mean Time - 06:32:10 PM.

Epoch Date - 1317666730

Julian Date - 2455838.27234

Observer: Enrique S. Urbietta

Under the Direct Supervision of :

Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2032

Found prior a 3" diameter brass cap, LS 19329-COY-2000, flush with asphalt. Found a 3" diameter brass cap, LS19329-COY-2000 encased in concrete, flush with asphalt and properly stamped. This is the E ¼ Corner of Section 33, and, the W ¼ Corner of Section 34, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located on Arizona Ave. and 20th Street.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'28.52593" North

Longitude 114°36'57.51184" West

Ellipsoid Height 88.510 US Survey Feet / 88.510 International Feet / 26.97795 Meters.

North 616,312.9770 US Survey Feet / 616,314.2296 International Feet.

East 433,579.3010 US Survey Feet / 433,580.1682 International Feet.

NAVD-1988-Elevation

199.51 US Survey Feet. / 199.51 International Feet / 60.8108 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 04, 2004 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

199.51 NAVD 1988

-2.15 Area Constant

197.36 U.S. Survey Feet / 60.15545 Meters.

Latest Observation Date: March 11, 2014 Greenwich Mean Time-06:31:12 PM.

Epoch Date-1394562672

Julian Date- 2456728.27167

Observer: Enrique S. Urbieto

2033

BENCHMARK #~~3013~~

Found a 3" brass cap with punch set in concrete. Previously this was a U.S. Reclamation Service 2½" diameter brass cap 1 foot below the surface of the gravel road inside of iron well casing.

This is a Section Corner being the
Southeast Corner of Section 8, T9S, R22W;
Southwest Corner of Section 9, T9S, R22W;
Northwest Corner of Section 16, T9S, R22W;
Northeast Corner of Section 17, T9S, R22W, of the Gila and Salt River Base
and Meridian.

Located at the intersection of Avenue 6E and the centerline of 40th Street.

NAD-83-Coordinates

Latitude 32°39'20.02858" North
Longitude 114°31'47.57034" West
Ellipsoid Height 100.628 survey feet
North 603,121.106 survey feet
East 459,971.699 survey feet

NAVD-1988-Coordinates

211.754 survey feet

NAD-1927-Coordinates

North 603,081.76 survey feet
East 260,208.77 survey feet

NGVD-1929-Coordinates

209.659 survey feet

Previous Observation Date: Thursday, November 15, 2001

Previous Observer: Larry R. Dresden

Latest Observation Date: Tuesday, April 13, 2005

Observer: Louis Romero

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2034

Found previously a 1/2in. dia. Aluminum stem, below asphalt in frame and cover. After asphalt replacement project this was replaced by a 3in. Brass cap LS 22767-DRA-2013, properly stamped in frame and cover 6in. below asphalt. This is the Common Quarter Corner of Sections 28 and 33, T8S, R23W, of the Gila & Salt River Base and Meridian.

Located on 4th Ave. and 16th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'54.69131" North

Longitude 114°37'28.66483" West

Ellipsoid Height : 93.0360 US Survey Feet / 93.0360 International Feet / 28.35743 Meters.

North 618,979.2520 US Survey Feet / 618,980.4900 International Feet.

East 430,938.7190 US Survey Feet / 430,939.5809 International Feet.

NAVD-1988-Elevation

204.03 US Survey Feet. / 204.03 International Feet. / 62.18847 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: March 07, 2006

Previous Observer: John Nye.

NGVD-1929-Elevation

204.03 NAVD-1988

- 2.15 Area Constant

201.88 US Survey Feet. / 61.53315 Meters.

Latest Observation Date: October 24, 2013 Greenwich Mean Time 10:45:37 AM.

Epoch Date- 1382611537

Julian Date- 2456589.94834

Observer: Enrique S. Urbieto and Louis Romero.

BENCHMARK # 2035

Found a 3in. diameter Brass Cap LS 49335-2010-DDE properly stamped, 5in. below asphalt in frame and cover. A 3in. diameter A.D.O.T. Brass Cap in frame and cover was found prior. This the common Section Quarter Corner of Sections, 28,29,32 and 33, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located at the intersection of Ave. A and 16th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'54.65231" North

Longitude 114°37'59.83144" West

Ellipsoid Height 94.477 US survey feet / 94.477 International feet / 28.7967 meters.

North 618,997.302 US survey feet. / 618,998.540 International feet.

East 428,275.473 US survey feet. / 428,276.3296 International feet.

NAVD-1988-Elevation

205.48 US survey feet. / 205.48 International feet. / 62.63044 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 29, 2001

Previous Observer: Larry R. Dresden

NGVD-1929-Elevation

205.48 NAVD 1988

-2.15 Area Constant

203.33 U.S. Survey Feet / 203.33 International Feet.

Latest Observation Date: June 03, 2010 Greenwich Mean Time-03:00:49 PM.

Epoch Date-1275577249

Julian Date- 2455351.12557

Observer: Enrique S. Urbieto, Jesse Gonzalez

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2036

Found a 3in. diameter Brass Cap LS 49335-2010-DDE properly stamped, 5in. below asphalt in frame and cover. A 5/8in. diameter rebar in frame and cover was found prior. This the common Section Quarter Corner of Sections, 32 and 33, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located at the intersection of Ave. A and 20th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'28.50043" North

Longitude 114°37'59.75612" West

Ellipsoid Height 91.423 US survey feet / 91.423 International feet / 27.8658 meters.

North ~~616,254.2390~~ US survey feet. / 616,355.4717 International feet.

East 428,259.9080 US survey feet. / 428,260.7645 International feet.

616,354.2360 E.S.U. 4-12-2012

NAVD-1988-Elevation

202.47 US survey feet. / 202.47 International feet. / 61.7130 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: December 08, 2003

Previous Observer: John Nye

NGVD-1929-Elevation

202.47 NAVD 1988

-2.15 Area Constant

200.32 U.S. Survey Feet / 200.32 International Feet.

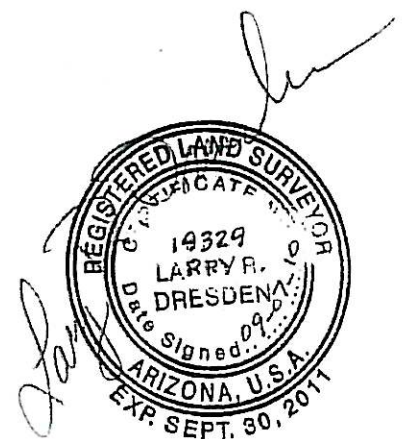
Latest Observation Date: June 02, 2010 Greenwich Mean Time-08:17:19 PM.

Epoch Date-1275509839

Julian Date- 2455350.34536

Observer: Enrique S. Urbieto

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2037

Found previously a 3in. dia. Brass Cap, LS19329-COY-2006 in concrete, properly stamped, flush with asphalt. After asphalt replacement project this was replaced by a 3in. Brass cap LS 22767-DRA-2013, properly stamped in frame and cover, 6in. below asphalt. This is the Center Quarter Corner of Sections 33, T8S, R23W of the Gila & Salt River Base and Meridian.

Located on 4th Ave. and 20th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'28.51418" North

Longitude 114°37'28.62846" West

Ellipsoid Height : 89.789 US Survey Feet / 89.789 International Feet / 27.36774 Meters.

North 616,333.6290 US Survey Feet / 616,334.8617 International Feet.

East 430,920.0110 US Survey Feet / 430,920.8728 International Feet.

NAVD-1988-Elevation

200.83 US Survey Feet. / 200.83 International Feet. / 61.21311 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: May 26, 2006 Previous Observer: Louis Romero.

NGVD-1929-Elevation

200.83 NAVD-1988

-2.15 Area Constant

198.68 US Survey Feet. / 50.5578 Meters.

Latest Observation Date: February 05, 2014 Greenwich Mean Time 5:11:14 PM.

Epoch Date- 1391620274

Julian Date- 2456694.21613

Observer: Enrique S. Urbieto.

BENCHMARK #2038

A 3" diameter A.D.O.T. brass cap in a hand hole located at 16th Street & Avenue A ½
(East Main Canal). A Quarter Section Corner.

NAD-1983-Coordinates

Latitude 32° 41' 54.62652" North

Longitude 114° 38' 30.77045" West

Ellipsoid Height 23.815 survey feet

North 619,016.906 survey feet

East 425,631.434 survey feet

NAVD-1988-Elevation

134.847 survey feet

NAD-1927-Coordinates

North 618,977.247 survey feet

East 225,868.376 survey feet

NGVD-1929-Elevation

132.716 survey feet

Observation Date: Thursday, November 29th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK #2039

A 3" diameter A.D.O.T. brass cap in a hand hole located at 16th Street and Avenue B. A Section Corner.

NAD-1983-Coordinates

Latitude 32° 41' 54.52677" North

Longitude 114° 39' 01.49654" West

Ellipsoid Height 13.091 survey feet

North 619,029.013 survey feet

East 423,005.648 survey feet

NAVD-1988-Elevation

124.162 survey feet

NAD-1927-Coordinates

North 618,989.301 survey feet

East 223,242.585 survey feet

NGVD-1929-Elevation

122.010 survey feet

Observation Date: Thursday, November 29th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2040

Set a 3" diameter. Brass cap with punchmark. COY LS# 19329, 2007. Epoxy ^{ieel into} ~~on~~ surface of asphalt road. This being the E ¼ Corner of Section 31, and, the W ¼ Corner of Section 32, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located at the intersection of 20th Street and Ave. B.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'28.28310" North

Longitude 114°39'01.46786" West

Ellipsoid Height 13.813 US survey feet / 13.81302 International feet / 4.21022 meters.

North 616,376.601 US survey feet. / 616,377.8338 International feet.

East 422,985.802 US survey feet / 422,986.648 International feet.

NAVD-1988-Elevation

124.929 US survey feet. / 124.9292 International feet. / 38.0785 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: Monday, February 2, 2004

Previous Observer: Louis Romero & Cryselle Uribe.

NGVD-1929-Elevation

124.929 ~~NAVD-1988~~

-2.15 Area Constant

122.779 U.S. Survey Feet / 122.7792 International Feet.

Latest Observation Date: Tuesday, June 19, 2007 Greenwich Mean Time-06:16:28 PM.

Epoch Date-1182276988

Julian Date- 2454271.26144

Observer: Enrique S. Urbieta & Jessy Gonzalez.

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2041

Found prior a 2in. dia. iron pipe as shown on Pfeiffer Estates plat dated September 6, 1978. Reset with a 3" dia. brass cap stamped. COY- LS 6022, in frame and cover. Found a 3in. dia. brass cap LS 6022-COY, with punch mark, not properly stamped in frame and cover, 6in. below asphalt. This is Center Quarter Corner of Section 32, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located at the intersection of 20th Street and Ave. A 1/2.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'28.39431" North

Longitude 114°38'30.64825" West

Ellipsoid Height 13.715 US Survey Feet / 13.715 International Feet / 4.180341 Meters.

North 616,365.6480 US Survey Feet / 616,366.8807 International Feet.

East 425,619.5830 US Survey Feet / 425,620.4342 International Feet.

NAVD-1988-Elevation

124.83 US Survey Feet. / 124.83 International Feet. / 38.048261 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: August 17, 2005

Previous Observer: John Nye.

NGVD-1929-Elevation

124.83 NAVD 1988

-2.15 Area Constant

122.68 U.S. Survey Feet / 122.68 International Feet.

Latest Observation Date: June 16, 2014 Greenwich Mean Time 08:34:04 PM.

Epoch Date-1402932844

Julian Date- 2456825.35699

Observer: Enrique S. Urbieto.

BENCHMARK #2042

Located at Avenue B1/2 and 16th Street. A 3" diameter brass cap in concrete flush with the asphalt and properly stamped as the North Quarter Corner of Section 31 and the South Quarter Corner of Section 30, Township 8 South, Range 23 West of the Gila and Salt River Base and Meridian. This brass cap was set over and above the prior City BM #42 which was a badly rusted 3/4" diameter iron pin in a hand hole approximately 20' East of the existing center of the dirt canal irrigation ditch of the Thacker Lateral. The prior elevation used by the City was published as 122.02, which was run on a conventional level circuit sometime prior to January 1996 by Harold Shepherd. The gps'd elevation for this 3/4" iron pin was found to be 122.17 prior to placement of the brass cap. Thus a difference of 1.27 survey feet between the old iron pin and the new brass cap.

NAD-1983-Coordinates

Latitude 32° 41' 54.43632" North
Longitude 114° 39' 32.52844" West
Ellipsoid Height 14.479 survey feet
North 619,042.494 survey feet
East 420,353.733 survey feet

NAVD-1988-Elevation

125.588 survey feet

NAD-1927-Coordinates

North 619,002.824 survey feet
East 220,590.704 survey feet

NGVD-1929-Elevation

123.443 survey feet

Observation Date: Monday, August 11th, 2003.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2043

Found prior a 3in. dia. brass cap, set in concrete, flush with asphalt. Found a 3in. dia. brass cap, LS 19329-COY-2000, with punch mark, properly stamped, encased in concrete flush with asphalt. This is the Common Section Corner of Sections 30 and 31, T8S, R23W and Sections 25 and 36, T8S, R24W of the Gila And Salt River Base And Meridian.

Located at Ave. C and 16th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'54.36879" North

Longitude 114°40'02.83872" West

Ellipsoid Height 14.313 US Survey Feet / 14.313 International Feet / 4.36262 Meters.

North 619,057.9730 US Survey Feet. / 619,059.2111 International Feet.

East 417,763.5010 US Survey Feet. / 417,764.3365 International Feet.

NAVD-1988-Elevation

125.50 US Survey Feet. / 125.50 International Feet. / 38.25248 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: December 19, 2003 Previous Observer: Cryselle Uribe.

NGVD-1929-Elevation

125.50 NAVD-1988

- 2.15 Area Constant

123.35 US Survey Feet. / 123.35 International Feet. / 37.597156 Meters.

Latest Observation Date: July 31, 2014 Greenwich Mean Time 03:57:04 PM.

Epoch Date - 1406822224 Julian Date - 2456870.16463

Observer: Enrique S. Urbieto

BENCHMARK # 2044

Found prior a 3in. dia. brass cap, set in concrete, flush with asphalt. Found a 3in. dia. brass cap, LS 22767-2001, with punch mark, not properly stamped, encased in concrete flush with asphalt. This is the Common Quarter Corner of Section 31, T8S, R23W and Section 36, T8S, R24W of the Gila And Salt River Base And Meridian.

Located at Ave. C and 20th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'28.04853" North

Longitude 114°40'02.81405" West

Ellipsoid Height 11.063 US Survey Feet / 14.313 International Feet / 3.37201 Meters.

North 616,397.8790 US Survey Feet. / 616,399.1118 International Feet.

East 417,742.5980 US Survey Feet. / 417,743.4335 International Feet.

NAVD-1988-Elevation

122.29 US Survey Feet. / 122.29 International Feet. / 37.27407 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: December 19, 2003 Previous Observer: Cryselle Uribe.

NGVD-1929-Elevation

122.29 NAVD-1988

- 2.15 Area Constant

120.14 US Survey Feet. / 120.14 International Feet. / 36.61875 Meters.

Latest Observation Date: July 31, 2014 Greenwich Mean Time 04:41:17 PM.

Epoch Date - 1406824877 Julian Date - 2456870.19534

Observer: Enrique S. Urbieto

BENCHMARK # 2045

Found a 3-inch diameter brass cap set in concrete with punch mark and LS 22767-2001, no Township nor Range, in frame and cover, 6-inches below asphalt. This is a Section Corner being the:

Northeast Corner of Section 1, T9S, R24W;

Southeast Corner of Section 36, T8S, R24W;

Southwest Corner of Section 31, T8S, R23W;

Northwest Corner of Section 6, T9S, R23W, of the Gila and Salt River Base and Meridian.

Located on Avenue C and 24th. Street

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'01.72575" North

Longitude 114°40'02.78144" West

Ellipsoid Height 9.815 U.S. Survey Feet. / 9.815 International Feet. / 2.99162 Meters

North 613,737.526 U.S. Survey Feet. / 613,738.7535 International Feet.

East 417,722.378 U.S. Survey Feet. / 417,723.2134 International Feet.

NAVD-1988-Elevation

121.10 U.S. Survey Feet. / 121.10 International Feet. / 36.91136 Meters)

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: December 31, 2003

Previous Observer: John Nye & Cryselle Uribe

NAVD-1929-Elevation.

121.10 NAVD-1988

- 2.15 Area Constant

118.95 Survey Feet. / 118.95 International Feet. / 36.25604

Latest Observation Date; September 19, 2013 Greenwich Mean time: 04:30:58 PM

Epoch Date: 1379608258 Julian Date: 2456555.18817

Observer: Enrique S. Urbietta

BENCHMARK # 2046

Found a 3in. diameter brass cap, Yuma County-1970, properly stamped in frame and cover, 9in. below asphalt. This is the South Quarter Corner of Section 31, T8S, R23W and the North Quarter Corner of Section 6, T9S, R23W of the G&SRB&M.

Located on Ave. B 1/2 and 24th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'01.86771" North

Longitude 114°39'32.45668" West

Ellipsoid Height : 11.932 US Survey Feet / 11.932 International Feet / 3.6369 Meters.

North 613,729.5640 US Survey Feet / 613,730.7915 International Feet.

East 420,314.3350 US Survey Feet / 420,315.1756 International Feet.

NAVD-1988-Elevation

123.17 US Survey Feet. / 123.17 International Feet. / 37.5423 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: January 7, 2004

Previous Observer: John Nye & Cryselle Uribe.

NGVD-1929-Elevation

123.17 NAVD-1988

-2.15 Area Constant

121.02 US Survey Feet. / 36.8870 Meters.

Latest Observation Date: November 21, 2013 Greenwich Mean Time 8:48:02 PM.

Epoch Date- 1385066882

Julian Date- 2456618.36669

Observer: Enrique S. Urbieto.

BENCHMARK # 2047

Found prior a 3in. dia. brass cap, LS 19329 set in epoxy, flush with concrete median surface.
Found a 3in. dia. brass cap, LS 19329-2004-COY, properly stamped, set in epoxy flush with the concrete median. This is the Center Quarter Corner of Section 31, T8S, R23W of the Gila And Salt River Base And Meridian.

Located at Ave. B 1/2 and 20th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'28.16572" North

Longitude 114°39'32.49196" West

Ellipsoid Height 12.238 US Survey Feet / 12.238 International Feet / 3.7576 Meters.

North 616,387.4110 US Survey Feet. / 616,388.6438 International Feet.

East 420,334.0940 US Survey Feet. / 420,334.9347 International Feet.

NAVD-1988-Elevation

123.43 US Survey Feet. / 123.43 International Feet. / 37.62154 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.
Previous Observation Date: January 23, 2004 Previous Observer: Cryselle Uribe.

NGVD-1929-Elevation

123.43 NAVD-1988

- 2.15 Area Constant

121.28 US Survey Feet. / 121.28 International Feet. / 36.96622 Meters.

Latest Observation Date: April 24, 2014 Greenwich Mean Time 06:55:33 PM.

Epoch Date - 1398365733 Julian Date - 2456772.28858

Observer: Enrique S. Urbieto

BENCHMARK # 2048

Found prior a 3in. dia. brass cap, with punch mark, COY no LS nor PE number, in frame and cover, approximately 4in. below asphalt. Found a 3in. dia. brass cap, with punch mark, COY not properly stamped, rotated east, in frame and cover 6in. below asphalt. This is the Common Quarter Corner of Sections 25 and 36, T8S, R24W of the Gila And Salt River Base And Meridian.

Located at Ave. C 1/2 and 16th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'54.27568" North

Longitude 114°40'33.60084" West

Ellipsoid Height 12.588 US Survey Feet / 12.588 International Feet / 3.836831 Meters.

North 619,071.4100 US Survey Feet. / 619,072.6481 International Feet.

East 415,134.6290 US Survey Feet. / 415,135.4593 International Feet.

NAVD-1988-Elevation

123.81 US Survey Feet. / 123.81 International Feet. / 37.737364 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: January 24, 2006 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

123.81 NAVD-1988

- 2.15 Area Constant

121.66 US Survey Feet. / 121.66 International Feet. / 37.082042 Meters.

Latest Observation Date: May 16, 2014 Greenwich Mean Time 06:30:56 PM.

Epoch Date - 1400265056 Julian Date - 2456794.27148

Observer: Enrique S. Urbieto

BENCHMARK # 2049

Found prior a 3in. dia. brass cap, with punch mark, LS16587 , in frame and cover, approximately 4in. below asphalt. Found a 3in. dia. brass cap, LS 16587, with punch mark, not properly stamped, rotated South, in frame and cover 5in. below asphalt. This is the Center Quarter Corner of Section 36, T8S, R24W of the Gila And Salt River Base And Meridian.

Located at 45TH. Ave. and 20th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'27.96825" North

Longitude 114°40'33.67490" West

Ellipsoid Height 10.752 US Survey Feet / 10.752 International Feet / 3.27722 Meters.

North 616,412.6830 US Survey Feet. / 616,413.9158 International Feet.

East 415,105.0870 US Survey Feet. / 415,105.9172 International Feet.

NAVD-1988-Elevation

122.02 US Survey Feet. / 122.02 International Feet. / 37.191771 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: January 24, 2006 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

122.02 NAVD-1988

- 2.15 Area Constant

119.87 US Survey Feet. / 119.87 International Feet. / 36.53645 Meters.

Latest Observation Date: May 19, 2014 Greenwich Mean Time 03:50:37 PM.

Epoch Date - 1400514637 Julian Date - 2456797.16015

Observer: Enrique S. Urbieto

BENCHMARK # 2050

Found a 3" diameter brass cap, stamped LS22767, at asphalt level, in the North bound left lane.

This is the East 1/4, Section 27, T8S, R23W, West 1/4, Section 26, T8S, R23W, of the Gila and Salt River Base and Meridian.

Being located at the intersection of 12th Street and 2E (Pacific Avenue).

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°42'21.04339" North

Longitude 114°35'55.69894" West

Ellipsoid Height 27.044 US survey feet, (or 8.24 meters)

North 621538.386 US survey feet

East 239141.258 US survey feet

NGVD-1929-Elevation

135.713 US survey feet, (or 41.37 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'21.04341" North

Longitude 114°35'55.69896" West

Ellipsoid Height 27.051 US survey feet, (or 8.25 meters)

North 621577.906 US survey feet

East 438904.320 US survey feet

NAVD-1988-Elevation

137.879 US survey feet, (or 42.03 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation. Using Geoid 2003.

Latest Observation Date: Friday December 30, 2005

Observer: John Nye

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2051

On August 1977 Yuma County Highway Department found a 1in. dia. iron pipe, 6 inches down and set a rail road spike. On March 1980 YCHD found the spike and below it found a 3in. dia. USBLM-1960 brass cap 2ft. down and set a 3in. dia. lead cap, properly stamped on top of brass cap, set inside a frame and cover, according to Book 1, page 122, of the YCHD Section Corner Records. Found a 3in. dia. brass cap, LS 16810-1991- no Co. name nor Township nor Range otherwise properly stamped, 6 inches below asphalt, in frame and cover. This is the SE Corner of Section 22, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located at Pacific Ave. and 8th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'47.14589" North

Longitude 114°35'55.76082" West

Ellipsoid Height 25.873 US Survey Feet / 25.873 International Feet / 7.88611 Meters.

North 624,216.0710 US Survey Feet. / 624,217.3194 International Feet.

East 438,920.2450 US Survey Feet. / 438,921.1228 International Feet.

NAVD-1988-Elevation

136.70 US Survey Feet. / 136.70 International Feet. / 41.6663 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 24, 2003 Previous Observer: Cryselle Uribe.

NGVD-1929-Elevation

136.70 NAVD-1988

- 2.15 Area Constant

134.55 US Survey Feet. / 134.55 International Feet. / 41.0110 Meters.

Latest Observation Date: March 15, 2013 Greenwich Mean Time 03:05:45 PM.

Epoch Date - 1364934693

Julian Date - 2456367.12899

Observer: Enrique S. Urbietta and Louis Romero.

Under the Direct Supervision of : Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2054

Found prior a 3in. dia. brass cap LS 22767, with punch mark encased in concrete, 4 inches below asphalt, in frame and cover. Set a 3in. dia. brass cap LS19329-COY-2013, properly stamped encased in concrete, in frame and cover 8 inches below asphalt after Ave. A reconstruction. This is the Common Corner of Sections 20, 21, 28 and 29, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located at Ave. A and 8th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'47.09914" North

Longitude 114°37'59.60737" West

Ellipsoid Height 58.189 US Survey Feet / 58.189 International Feet / 17.73605 Meters.

North 624,297.7890 US Survey Feet. / 624,299.0376 International Feet.

East 428,338.6490 US Survey Feet. / 428,339.5057 International Feet.

NAVD-1988-Elevation

169.13 US Survey Feet. / 169.13 International Feet. / 51.55093 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: January 7, 2011 Previous Observer: Enrique S. Urbietta.

NGVD-1929-Elevation

169.13 NAVD-1988

- 2.15 Area Constant

166.98 US Survey Feet. / 166.98 International Feet. / 50.89561 Meters.

Latest Observation Date: February 07, 2013 Greenwich Mean Time 05:53:38 PM.

Epoch Date - 1360259618

Julian Date - 2456331.24558

Observer: Enrique S. Urbietta and Jesus Gonzalez.

Under the Direct Supervision of :

Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2055

Found prior a 1/2in. rebar in frame and cover. Set a 3in. dia. brass cap LS 19329-COY-2012, properly stamped in frame and cover, 8 inches below asphalt. On January 29, 2013 DPE construction workers, found two 1in. ID iron pipes and a 1/2in. ID iron pipe below the 1/2 in. rebar after Ave. A reconstruction. This is the West Quarter Corner of Section 28, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located at Ave. A and 12th. St. (West)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'20.86949" North

Longitude 114°37'59.85236" West

Ellipsoid Height 79.618 US Survey Feet / 79.618 International Feet / 24.26762 Meters.

North 621,647.0500 US Survey Feet. / 621,648.2933 International Feet.

East 428,295.6300 US Survey Feet. / 428,296.4866 International Feet.

NAVD-1988-Elevation

190.60 US Survey Feet. / 190.60 International Feet. / 58.0950 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 29, 2001 Previous Observer: Larry R. Dresden

NGVD-1929-Elevation

190.60 NAVD-1988

- 2.15 Area Constant

188.45 US Survey Feet. / 188.45 International Feet. / 57.4397 Meters.

Latest Observation Date: January 30, 2013 Greenwich Mean Time 04:45:19 PM.

Epoch Date - 1359564319

Julian Date - 2456323.19814

Observer: Enrique S. Urbietta

Under the Direct Supervision of :

Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2056

Originally on 4/26/2000, was found a 3 in. BLM Brass Cap properly stamped. On 11/29/2001 set a 3in. COY LS 19329-2001 Brass Cap properly stamped. Found on 08/2008, a 3 inch diameter brass cap with punch mark on edge no LS number, set by DPE, encased in concrete, flush with asphalt. Set a 3in. Brass Cap LS 19329-2010-COY, properly Stamped. Being the Common Quarter Corner for Section 20 and 29, T8S, R23W, of the G.&S.R.B.&M.

Located at Magnolia Ave. and 8TH St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'47.09342" North

Longitude 114°38'30.54638" West

Ellipsoid Height : 18.181 US survey feet / 18.181 International feet / 5.54158 meters.

North 624,319.163 US survey feet / 624,320.4116 International feet.

East 425,695.313 US survey feet / 425,696.1644 International feet.

NAVD-1988-Elevation

129.14 US survey feet. / 129.14 International feet. / 39.36195 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: Thursday, November 29, 2001

Previous Observer: Larry R. Dresden

NGVD-1929-Elevation

129.14 NAVD-1988

-2.15 Area Constant

126.99 Survey feet. / 38.70663 meters.

Latest Observation Date: April 28, 2010 Greenwich Mean Time 5:44:50 PM.

Epoch Date- 1272476690

Julian Date- 2455315.23947

Observer: Enrique S. Urbieto

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2057

Found: a 2 1/2" brass cap with an "X" mark set in hand hole.

This is a Section Corner being the

SW Northeast Corner of Section 20, T8S, R23W;
NW Southeast Corner of Section 29, T8S, R23W;
N'E Southwest Corner of Section 30, T8S, ~~R24W~~; *R23 W*;
SE Northwest Corner of Section 19, T8S, ~~R24W~~, of the Gila and Salt River Base and
Meridian *R23 W*,

Being located at the intersection of Avenue B, and 8th Street

NAD-1983-Coordinates (Arizona West Zone 02023)

Latitude 32°42'47.06955"N

Longitude 114°39'01.54284"W

Ellipsoid Ht 16.992 US survey feet / 16.9920 International feet / 5.179 Meters

North 624339.116 US survey feet / 624340.364 International feet.

East 423046.963 US survey feet / 423047.809 International feet.

NAVD-1988-Elevation

127.98 US survey feet / 127.98 International Feet / 39.007 Meters

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: *09-07-04*

Previous Observer: *Crysellie Uribe*

NGVD-1929-Elevation

127.98 NAVD-1988

- 2.15 Area Constant

125.82 US survey feet / 125.82 International feet / 38.352 Meters

Latest Observation Date: September 17th, 2007 Greenwich Mean Time 15:43:55

Epoch Date-1190043835

Julian Date-2454361.33595

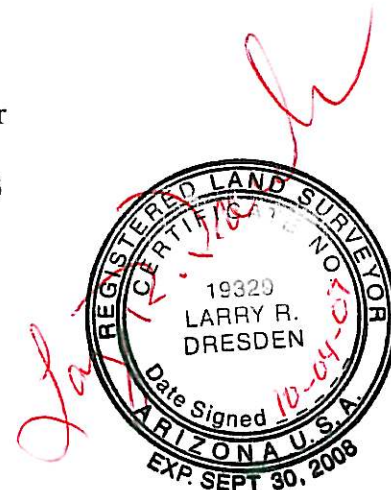
Observer: Jesus Gonzalez

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2058

Found, a 3" diameter. Brass cap with punch mark. LS# 22767, 2006. In hand hole with cover, 6" below surface of asphalt road. This being the common $\frac{1}{4}$ Corner for Sections, 19 and 30, T8S, R23W, of the Gila And Salt River Base And Meridian.

Located at the intersection of 8th Street and May Ave.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'47.05868" North

Longitude 114°39'32.39115" West

Ellipsoid Height 15.287 US survey feet / 15.287 International feet / 4.65949 meters.

North 625,360.492 US survey feet / 625,361.740 International feet.

East 420,411.283 US survey feet / 412,412.1238 International feet.

420,412.1238

NAVD-1988-Elevation

126.31 US survey feet. / 126.31 International feet. / 38.49937 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: Wednesday, November, 09, 2004.

Previous Observer: Cryselle Uribe.

NGVD-1929-Elevation

126.31 NAVD 1988

-2.15 Area Constant

124.16 U.S. Survey Feet / 124.16 International Feet.

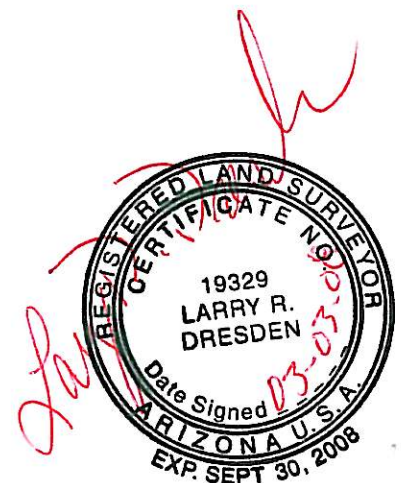
Latest Observation Date: Thursday, February, 28, 2008 Greenwich Mean Time-04:45:45 PM.

Epoch Date-1204217145

Julian Date- 2454525.19844

Observer: Enrique S. Urbieto & Jesse Gonzalez.

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2059

Found prior a 3" dia. brass cap stamped. COY- LS 19329-1998, which was removed during road re-construction, replaced by a 3 1/2in. U.S. Reclamation Service cap partially obliterated, 8in. below asphalt in hand hole. Found a 3 1/2in. dia. U.S. Reclamation Service brass cap obliterated, not properly stamped in frame and cover, 6in. below asphalt. This is Common Corner of Sections 19 & 30, T8S, R23W and sections 24 & 25, T8S, R24W of the Gila And Salt River Base And Meridian.

Located at the intersection of 8th Street and Ave. C.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'47.05082" North

Longitude 114°40'02.67796" West

Ellipsoid Height 13.039 US Survey Feet / 13.039 International Feet / 3.9743 Meters.

North 624,382.2100 US Survey Feet / 624,383.4588 International Feet.

East 417,823.3060 US Survey Feet / 417,824.1416 International Feet.

NAVD-1988-Elevation

124.12 US Survey Feet. / 124.12 International Feet. / 37.83186 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: March 29, 2005 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

124.12 NAVD 1988

-2.15 Area Constant

121.97 U.S. Survey Feet / 121.97 International Feet.

Latest Observation Date: June 18, 2014 Greenwich Mean Time 06:39:10 PM.

Epoch Date-1403116750

Julian Date- 2456827.2772

Observer: Enrique S. Urbieto.

BENCHMARK # 2060

Found prior a 3" dia. Yuma County brass cap in hand hole. Found a 3in. dia. brass cap LS 22767-Yuma County-1991, properly stamped in frame and cover, 10in. below asphalt. This is Common Quarter Corner of Section 30, T8S, R23W and section 25, T8S, R24W of the Gila And Salt River Base And Meridian.

Located at the intersection of 12th Street and Ave. C.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'20.71224" North

Longitude 114°40'02.76543" West

Ellipsoid Height 16.581 US Survey Feet / 16.581 International Feet / 5.0539 Meters.

North 621,720.3410 US Survey Feet / 621,721.5844 International Feet.

East 417,792.7980 US Survey Feet / 417,793.6336 International Feet.

NAVD-1988-Elevation

127.72 US Survey Feet. / 127.72 International Feet. / 38.929135 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: March 21, 2002

Previous Observer: Louis Romero and Larry R. Dresden.

NGVD-1929-Elevation

127.72 NAVD 1988

-2.15 Area Constant

125.57 U.S. Survey Feet / 125.57 International Feet.

Latest Observation Date: June 25, 2014 Greenwich Mean Time 05:22:31 PM.

Epoch Date-1403716951

Julian Date- 2456834.22397

Observer: Enrique S. Urbieto.

BENCHMARK # 2061

Found prior a 3in. dia. brass cap LS 19329-COY-1998, properly stamped, flush with concrete.
Found a 3in. dia. brass cap LS 19329-COY-1998, properly stamped, epoxied in concreted street median. This is Center Quarter Corner of Section 30, T8S, R23W of the Gila And Salt River Base And Meridian.

Located at the intersection of 12th Street and Ave. B 1/2.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'20.74878" North

Longitude 114°39'32.46344" West

Ellipsoid Height 21.202 US Survey Feet / 21.202 International Feet / 6.4624 Meters.

North 621,701.7330 US Survey Feet / 621,702.9764 International Feet.

East 420,382.0840 US Survey Feet / 420,382.9248 International Feet.

NAVD-1988-Elevation

132.30 US Survey Feet. / 132.30 International Feet. / 40.325122 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: December 02, 2005 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

132.30 NAVD 1988

-2.15 Area Constant

130.15 U.S. Survey Feet / 130.15 International Feet.

Latest Observation Date: June 25, 2014 Greenwich Mean Time 06:10:24 PM.

Epoch Date-1403719824

Julian Date- 2456834.25722

Observer: Enrique S. Urbieto.

BENCHMARK #2062

A 3" diameter brass cap in a hand hole properly stamped as the West Quarter Section Corner of Section 29, six inches down in concrete below the road surface. Located at Avenue B and 12th Street.

NAD-1983-Coordinates

Latitude 32° 42' 20.77906" North

Longitude 114° 39' 01.49818" West

Ellipsoid Height 16.428 survey feet

North 621,682.218 survey feet

East 423,028.036 survey feet

NAVD-1988-Elevation

127.457

NAD-1927-Coordinates

North 621,642.540 survey feet

East 223,264.955 survey feet

NGVD-1929-Elevation

125.314 survey feet

Observation Date: Thursday, November 29th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK #2064

A 3" diameter brass cap with a punch mark which has been set in concrete and is flush with the top of the asphalt street and has been stamped LS22767 prior to this date.
Located at the intersection of the centerline of 4th Avenue and the centerline of 1st Street.

NAD-1983-Coordinantes

Latitude 32° 43' 30.75206" North
Longitude 114° 37' 28.39394" West
Ellipsoid Height 29.324 survey feet
North 628,687.489 survey feet
East 431,041.957 survey feet

NAVD-1988-Elevation

140.140 survey feet

NAD-1927-Coordinates

North 628,647.855 survey feet
East 231,278,824 survey feet

NGVD-1929-Elevation

138.014 survey feet

Observation Date: October 31st, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2065

Found a 3-inch diameter brass cap set in concrete with punch mark and LS 19329, flush with asphalt road surface.

Being located at the centerline of City 1st Street, East-West mid-section line of Section 34, Northerly prolongation of section line from South at an intersection of 1st Street and Avenue A.

NAD-1927- Coordinates (Arizona West Zone 0203)

Latitude 32°43'30.74190" North
Longitude 114°37'59.53951" West
Ellipsoid Height 25.706 survey feet, (or 7.84 meters)
North 628,668.896 survey feet
East 228,618.073 survey feet

NGVD-1929-Elevation

134.418 survey feet, (or 40.97 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°43'30.7413" North
Longitude 114°37'59.53923" West
Ellipsoid Height 25.719 survey feet, (or 7.84 meters)
North 628,708.512 survey feet
East 428,381.224 survey feet

NAVD-1988-Elevation

136.571 survey feet, (or 41.63 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation.

Previous Observation date:

Previous Observer:

Latest Observation Date: Wednesday, February 11, 2004.

Observer: Cryselle Uribe

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2067

Found a 3" Dia. Brass cap with punch mark LS 16528, in Hand Hole, 7" below asphalt. This being on the East-West-Mid-Section Line of Section 34, T16S, ~~R23W~~, of the San Bernardino Base And Meridian. Intersecting with ~~and~~ the Northerly Prolongation of the North-South Mid-Section Line of Section 20, T8S, R23W, of the Gila And Salt River Base And Meridian. R22E.

Located at : Intersection of 1ST Street and Magnolia Ave.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°43'30.73098" North

Longitude 114°38'30.67861" West

Ellipsoid Height 20.681 US survey feet / 20.681 International feet / 6.30358 meters.

North 628,729.452 US survey feet / 628,730.7095 International feet.

East 425,721.083 US survey feet / 425,721.9344 International feet.

NAVD-1988-Elevation

131.57 US survey feet. / 131.57 International feet. / 40.10262 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: 02/11/04

Previous Observer: Cryselle Uribe

NGVD-1929-Elevation

131.57 NAVD 1988

-2.15 Area Constant.

129.42 U.S. Survey Feet / 129.42 International Feet.

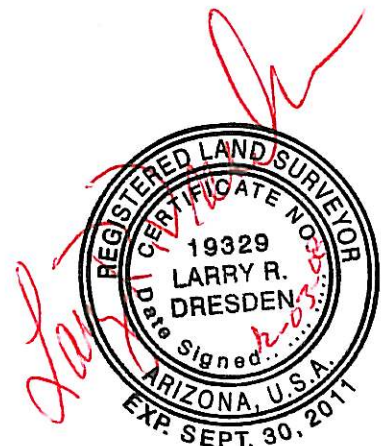
Latest Observation Date: November, 26, 2008 Greenwich Mean Time-07:56:23 PM.

Epoch Date-1227642983

Julian Date- 2454796.33082

Observer: Enrique S. Urbietta

Under the Direct Supervision of : Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2068

Found a 3 inch diameter brass cap LS 16528, with punch mark, encased in concrete, in hand hole approximately 6 inches below ground. Being the Center Quarter Corner for Section 29, T8S, R23W, of the Gila and Salt River Base and Meridian.

Located at MAGNOLIA Ave. and 12TH St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'20.82464" North

Longitude 114°38'30.66519" West

Ellipsoid Height : 20.887 US survey feet / 20.887 International feet / 6.3664 meters.

North 621,664.420 US survey feet / 621,665.6633 International feet.

East 425,662.847 US survey feet / 425,663.6983 International feet.

NAVD-1988-Elevation

131.88 US survey feet. / 131.88 International feet. / 40.1971 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: December 03, 2001

Previous Observer: Larry R. Dresden

NGVD-1929-Elevation

131.88 NAVD-1988

-2.15 Area Constant

129.73 Survey feet. / 39.5418 meters.

Latest Observation Date: April 01, 2009 Greenwich Mean Time 8:19:29 PM.

Epoch Date- 1238617169

Julian Date- 2454923.34686

Observer: Enrique S. Urbietta, Jesse Gonzales

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2069

Found a 3 inch diameter brass cap set in concrete with punch mark and LS 22767, in a hand hole approximately 6" below the asphalt road surface.

This is a Section $\frac{1}{4}$ Corner being the
East $\frac{1}{4}$ Corner of Section 19, T8S, R23W;
West $\frac{1}{4}$ Corner of Section 20, T8S, R23W, of the Gila and Salt River Base and Meridian.

Being located at the intersection of Avenue B and 4th Street (West).

NAD-1927- Coordinates (Arizona West Zone 0203)

Latitude 32°43'13.19698" North
Longitude 114°39'01.54689" West
Ellipsoid Height 20.821 survey feet, (or 6.35 meters)
North 626,940.236 survey feet
East 223,305.759 survey feet

NGVD-1929-Elevation

129.629 survey feet, (or 39.51 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°43'13.19691" North
Longitude 114°39'01.54685" West
Ellipsoid Height 20.814 survey feet, (or 6.34 meters)
North 626,979.906 survey feet
East 423,068.875 survey feet

NAVD-1988-Elevation

131.762 survey feet, (or 40.16 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation.

Previous Observation date:

Previous Observer:

Latest Observation Date: Tuesday March 16, 2004.

Observers: John Nye, & Cryselle Uribe

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2070

Found a 3in. diameter Brass Cap LS 31018-2009 properly stamped, encased in concrete inside a frame and cover, 5in. below asphalt. A 3in. diameter Brass Cap Yuma County, LS 15767-1989 C1/4, S20 stamped on it, inside a frame and cover, was found prior. Being the Center Quarter Corner for Section 20, T8S, R23W, of the G.&S.R.B.&M.

Located at Magnolia Ave. and approximately 46.00 FT. North of 3rd. Place.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°43'13.21122" North

Longitude 114°38'30.55266" West

Ellipsoid Height : 19.540 US survey feet / 19.540 International feet / 5.9558 Meters.

North 626,958.740 US survey feet / 626,959.994 International feet.

East 425,716.961 US survey feet / 425,717.812 International feet.

NAVD-1988-Elevation

130.46 US survey feet. / 130.46 International feet. / 39.76429 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: Wednesday, September 08, 2004

Previous Observer: Martin Sandoval

NGVD-1929-Elevation

130.46 NAVD-1988

-2.15 Area Constant

128.31 Survey feet. / 39.10897 Meters.

Latest Observation Date: Tuesday, May 18, 2010 Greenwich Mean Time 3:53:06 PM.

Epoch Date- 1274197986

Julian Date- 2455335.16188

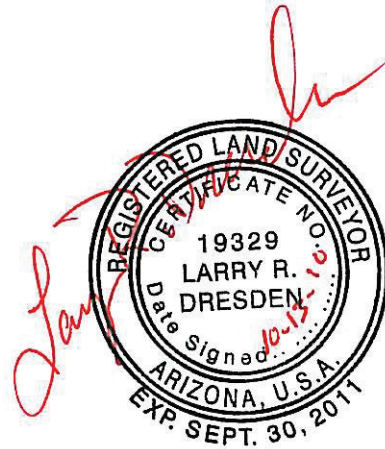
Observer: Enrique S. Urbieto

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2071

Found a 3" diameter (ADOT) Brass cap with no punchmark . 7 inches below asphalt. This being the Common Corner of Sections 1, 2, 11 and 12 of T9S, R22W of the G. & S. R. B. & M. Located in the intersection of Ave. 9E, on the center of the right eastbound lane of the I-8 Freeway. (32ND ST.)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'13.1226" North

Longitude 114°28'41.58454" West

Ellipsoid Height : 107.538 US survey feet / 107.5382 International feet / 32.778 meters.

North 608,373.978 US survey feet. / 608,375.1948 International feet.

East 475,909.621 US survey feet / 475,910.5728 International feet.

NAVD-1988-Elevation

218.46 US survey feet. / 218.46 International feet. / 66.5869 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

218.46 NAVD-1988 Elevation

-2.15 Area Constant

216.31 US survey feet. / 216.31 International feet. / 65.9315 meters.

Latest Observation Date: JULY, 27, 2007 Greenwich Mean Time-04:09:22 PM.

Epoch Date- 1185552562 Julian Date- 2454308.67317 Observer: Enrique S. Urbietta

Since this particular geodetic survey control point is situated outside the Trimble Factory Designated Range of 10 Kilometers, (6.21 miles), for Real Kinematic, (RTK). Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street). The integrity of this particular geodetic control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 Kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD29).

Under the Direct Supervision of :

Larry R. Dresden,

Registered Land Surveyor

Arizona License # 19329

California License # 5643



BENCHMARK # 2072

Originally found a 3in. dia., B of R, brass cap with punch mark, in concrete decking of irrigation canal. Bridge was lifted and reset on new concrete canal lining. B of R, brass cap was no longer at the correct location. A PK nail with brass tag LS 30348-Davey was set at the correct location. Removed brass cap and PK nail. Set a 3in. dia. brass cap, LS 19329-COY-2010 encased in concrete, properly stamped. After construction of new road, a 3in. dia. brass cap LS22767-DRA-2012 properly stamped, flush with asphalt was set. This is the common 1/4 Corner of Sections 9 and 10, T9S, R22W, of the G. & S. R. B. & M.

Located on Ave. 7E. and 36th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°39'46.40490" North

Longitude 114°30'45.69317" West

Ellipsoid Height : 104.749 US survey feet / 104.749 International feet / 31.92756 meters.

North 605,748.3160 US survey feet / 605,749.5275 International feet.

East 465,281.1980 US survey feet / 465,282.1286 International feet.

NAVD-1988-Elevation

215.86 US survey feet. / 215.86 International feet. / 65.7943 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: July 20, 2010 Previous Observer: Enrique S. Urbieto

NGVD-1929-Elevation

215.86 NAVD-1988

-2.15 Area Constant

213.71 US survey feet. / 65.13894 meters.

Latest Observation Date: November 14, 2012 Greenwich Mean Time 3:24:16 PM.

Epoch Date- 1352906656

Julian Date- 2456246.14185

Observer: Enrique S. Urbieto and Jesse Gonzalez.

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK #2073

Previously was chiseled "X" on top of curb.

Found a 3in. diameter Brass Cap LS22767-2006, with punch mark, encased in concrete, flush with asphalt.

Located at the intersection *of the* center line of 1st. Street and *the* center line of Gila Street.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°43'31.48856" North

Longitude 114°36'59.20162" West

Ellipsoid Height 23.011 U.S. Survey Feet / 23.011 International Feet/7.01377 Meters.

North 628,741.4380 U.S. Survey Feet / 628,742.6955 International Feet.

East 433,536.4470 U.S. Survey Feet / 433,537.3141 International Feet.

NAVD-1988-Elevation

133.82 U.S. Survey Feet / 133.82 International Feet / 40.78842 Meters.

These are the results of a 30 minute Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: Previous Observer:

NGVD-1929-Elevation

133.82 NAVD 1988

-2.15 Area Constant

131.67 U.S. Survey Feet/ 131.67 International Feet/ 40.13332 Meters.

Latest Observation Date: Friday, June 30, 2011. Greenwich Mean Time 03:24:32 PM.

Epoch Date-1309447472

Julian Date-2455743.14204

Observer: Enrique S. Urbieto

Under the Direct Supervision of: Larry R. Dresden

Professional Registered Land Surveyor

Arizona License #19329

California License #5643



BENCHMARK # 2074

Found a 3 inch diameter brass cap, stamped "CITY OF YUMA, ¼, S9, S10, LS 19329, 1998.", set in a hand hole approximately 1 foot below the asphalt road surface.

This is a Section ¼ Corner being the
East ¼ Corner of Section 9, T9S, R23W;
West ¼ Corner of Section 10, T9S, R23W, of the Gila and Salt River Base and Meridian.

Being located at the centerline of 36th Street and Arizona Avenue.

NAD-1927-Coordinates (Arizona Zone 0203)

Latitude 32°39'43.68675" North
Longitude 114°36'56.79078" West
Ellipsoid Height 80.439 survey feet, (or 24.518 meters)
North 605,677.506 survey feet
East 233,791.543 survey feet

NGVD-1929-Elevation

189.420 survey feet, (or 57.735 meters)

NAD-1983-Coordinates (Arizona Zone 0203)

Latitude 32°39'43.68678" North
Longitude 114°36'56.79074" West
Ellipsoid Height 80.429 survey feet, (or 24.515 meters)
North 605,717.068 survey feet
East 433,554.491 survey feet

NAVD-1988-Elevation

191.577 survey feet, (or 58.393 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Tuesday, September 21st, 2004.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor

Arizona License # 19329

California License # 5643



BENCHMARK # 2075

Found prior a 3in. dia. brass cap, BOR. No year otherwise properly stamped, in frame and cover, 1ft. below asphalt. Found a 3in. dia. brass cap, BOR. No year otherwise properly stamped, 22in. below asphalt in frame and cover. This is the Common Section Corner of Sections 9, 10, 15 and 16, T9S, R23W of the Gila And Salt River Base And Meridian.

Located at Arizona Ave. and 40th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°39'17.66686" North

Longitude 114°36'56.49595" West

Ellipsoid Height 75.791 US Survey Feet / 75.791 International Feet / 23.10115 Meters.

North 603,087.0450 US Survey Feet. / 603,088.2512 International Feet.

East 433,558.2400 US Survey Feet. / 433,559.1071 International Feet.

NAVD-1988-Elevation

187.04 US Survey Feet. / 187.04 International Feet. / 57.00991 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: September 13, 2004 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

187.04 NAVD-1988

- 2.15 Area Constant

184.89 US Survey Feet. / 184.89 International Feet. / 56.35459 Meters.

Latest Observation Date: March 20, 2014 Greenwich Mean Time 06:08:06 PM.

Epoch Date - 1395338886 Julian Date - 2456737.25563

Observer: Enrique S. Urbieto

BENCHMARK # 2076

Found prior a 3in. dia. brass cap, YC-1976, properly stamped, in frame and cover, 1ft. below asphalt. Found a 3in. dia. lead cap, YC-1976, properly stamped, 8in. below asphalt in frame and cover. This is the Common Quarter Corner of Sections 9 and 16, T9S, R23W of the Gila And Salt River Base And Meridian.

Located at 4th Ave. and 40th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°39'17.59449" North

Longitude 114°37'27.47879" West

Ellipsoid Height 77.647 US Survey Feet / 77.647 International Feet / 23.6669 Meters.

North 603,101.4360 US Survey Feet. / 603,102.6422 International Feet.

East 430,909.2590 US Survey Feet. / 430,909.2590 International Feet.

NAVD-1988-Elevation

188.93 US Survey Feet. / 188.93 International Feet. / 57.58598 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: September 20, 2004 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

188.93 NAVD-1988

- 2.15 Area Constant

186.78 US Survey Feet. / 186.78 International Feet. / 56.93066 Meters.

Latest Observation Date: March 21, 2014 Greenwich Mean Time 05:23:11 PM.

Epoch Date - 1395422591 Julian Date - 2456738.22443

Observer: Enrique S. Urbieto

BENCHMARK # 2077

Found prior a 3in. dia. brass cap, LS 22767-2003, approximately 1ft. below asphalt in frame and cover. Found a 3in. dia. brass cap, LS 22767-2003, with punch mark, No Township, Range, nor Company Name. In frame and cover, 6in. below asphalt. This is the Common Section Corner of Sections 8, 9, 16 and 17, T9S, R23W of the Gila And Salt River Base And Meridian.

Located at Ave. A and 40th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°39'17.54235" North

Longitude 114°37'58.45893" West

Ellipsoid Height 84.087 US Survey Feet / 84.087 International Feet / 25.62977 Meters.

North 603,118.0840 US Survey Feet. / 603,119.2902 International Feet.

East 428,260.5230 US Survey Feet. / 428,261.3795 International Feet.

NAVD-1988-Elevation

195.41 US Survey Feet. / 195.41 International Feet. / 59.5611 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: September 20, 2004 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

195.41 NAVD-1988

- 2.15 Area Constant

193.26 US Survey Feet. / 193.26 International Feet. / 58.9058 Meters.

Latest Observation Date: March 21, 2014 Greenwich Mean Time 06:21:39 PM.

Epoch Date - 1395426099

Julian Date - 2456738.26503

Observer: Enrique S. Urbieto

BENCHMARK # 2078

Found prior a 3in. dia. brass cap, LS 22767-2003, approximately 1ft. below asphalt in frame and cover. Found a 3in. dia. brass cap, LS 22767-2003, with punch mark, No Township, Range, nor Company Name. In frame and cover, 6in. below asphalt. This is the Common Quarter Corner of Sections 8 and 9, T9S, R23W of the Gila And Salt River Base And Meridian.

Located at Ave. A and 36th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°39'43.69828" North

Longitude 114°37'58.67763" West

Ellipsoid Height 83.909 US Survey Feet / 83.909 International Feet / 25.57551 Meters.

North 605,761.6820 US Survey Feet. / 605,762.8935 International Feet.

East 428,263.8100 US Survey Feet. / 428,264.6665 International Feet.

NAVD-1988-Elevation

195.18 US Survey Feet. / 195.18 International Feet. / 59.4910 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: September 20, 2004 Previous Observer: Martin Sandoval.

NGVD-1929-Elevation

195.18 NAVD-1988

- 2.15 Area Constant

193.03 US Survey Feet. / 193.03 International Feet. / 58.8357 Meters.

Latest Observation Date: April 22, 2014 Greenwich Mean Time 06:18:34 PM.

Epoch Date - 1398190714 Julian Date - 2456770.26289

Observer: Enrique S. Urbieto

BENCHMARK # 2079

Found an old Rail Road Spike flush with the asphalt road surface.

This is a Section $\frac{1}{4}$ Corner being the
Center $\frac{1}{4}$ Corner of Section 9, T9S, R23W, of the Gila and Salt River Base and Meridian.

Being located approximately 131 feet north of Rainbow Lane and 4th Avenue
intersection.

NAD-1927-Coordinates (Arizona Zone 0203)

Latitude 32°39'43.69076" North
Longitude 114°37'27.73613" West
Ellipsoid Height 92.046 survey feet, (or 28.056 meters)
North 605,699.583 survey feet
East 231,146.064 survey feet

NGVD-1929-Elevation

201.064 survey feet, (or 61.285 meters)

NAD-1983-Coordinates (Arizona Zone 0203)

Latitude 32°39'43.69045" North
Longitude 114°37'27.73623" West
Ellipsoid Height 92.054 survey feet, (or 28.058 meters)
North 605,739.129 survey feet
East 430,909.022 survey feet

NAVD-1988-Elevation

203.237 survey feet, (or 61.947 meters)

Previous Observation Date:

Previous Observer:

Latest Observation Date: Tuesday, September 21st, 2004.

Observer: Martin Sandoval

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK #2080

A 3" diameter brass cap with a punch mark in a hand hole with LS22767 and the year 1999. Located on Avenue 3 E and 40th Street. A Section Corner.

NAD-1983-Coordinates

Latitude 32° 39' 18.40866" North
Longitude 114° 34' 52.18811" West
Ellipsoid Height 99.634 survey feet
North 603,077.093 survey feet
East 444,186.667 survey feet

NAVD-1988-Elevation

210.751 survey feet

NAD-1927-Coordinates

North 603,037.606 survey feet
East 244,423.764 survey feet

NGVD-1929-Elevation

208.540 survey feet

Observation Date: Thursday, November 15th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK #2081

A 3" diameter brass cap properly stamped as a Quarter Section Corner with LS22767 and the year 1999. Set about 4" below asphalt surface in a hand hole. Located on Avenue 3E and 36th Street.

NAD-1983-Coordinates

Latitude 32° 39' 44.55713" North
Longitude 114° 34' 52.61373" West
Ellipsoid Height 103.269 survey feet
North 605,720.052 survey feet
East 444,170.970 survey feet

NAVD-1988-Elevation

214.337 survey feet

NAD-1927-Coordinates

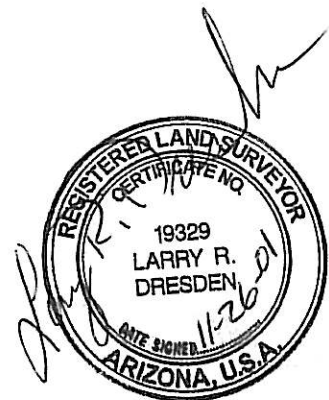
North 605,680.563 survey feet
East 244,408.027 survey feet

NGVD-1929-Elevation

212.121 survey feet

Observation Date: Friday, November 9th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2082

Found previously a 3in. dia. Aluminum Cap, "ADOT HIGHWAY DIV.", set in a hand hole, approximately 1 foot below asphalt road surface. Found a 3in. dia. Aluminum Cap, ADOT, with punch mark, not properly stamped, encased in concrete inside an 8in. dia. PVC pipe, in frame and cover, 6in. below asphalt. This is the Common Quarter Corner of Sections 26 and 35, T8S, R23W of the Gila & Salt River Base and Meridian.

Located on 16th St. and Atlantic Ave.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'55.15693" North

Longitude 114°35'24.75950" West

Ellipsoid Height : 29.456 US Survey Feet / 29.456 International Feet / 8.97821 Meters.

North 618,940.7050 US Survey Feet / 618,941.9429 International Feet.

East 441,527.3820 US Survey Feet / 441,528.2651 International Feet.

NAVD-1988-Elevation

140.34 US Survey Feet. / 140.34 International Feet. / 42.77572 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 14, 2003

Previous Observer: Martin Sandoval and John Nye.

NGVD-1929-Elevation

140.34 NAVD-1988

-2.15 Area Constant

138.19 US Survey Feet. / 42.1204 Meters.

Latest Observation Date: April 14, 2014 Greenwich Mean Time 5:31:19 PM.

Epoch Date- 1397496679

Julian Date- 2456762.23008

Observer: Enrique S. Urbieto.

BENCHMARK # 2083

Found, a brass cap stem in a 3 inch inside diameter steel pipe, encased in concrete, in hand hole, 18" below surface of asphalt road. This being the common ~~Quarter~~ ^{SECTION} Corners for Sections, 23 and 24, T8S, R24W, of the Gila And Salt River Base And Meridian, Intersecting with the South Section Line of Section 31, T16S, R22E, of the San Bernardino Base and Meridian.

(WEST)
Located on Ave. D (south) and Riverside Drive.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°43'15.2410" North

Longitude 114°41'04.24210" West

Ellipsoid Height 10.088 US survey feet / 10.088 International feet / 3.075 meters.

North 627,277.371 US survey feet / 627,278.6256 International feet.

East 412,545.393 US survey feet / 412,546.2181 International feet.

NAVD-1988-Elevation

121.14 US survey feet. / 121.14 International feet. / 36.9236 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

121.14 NAVD 1988

-2.15 Area Constant

118.99 U.S. Survey Feet / 118.99 International Feet.

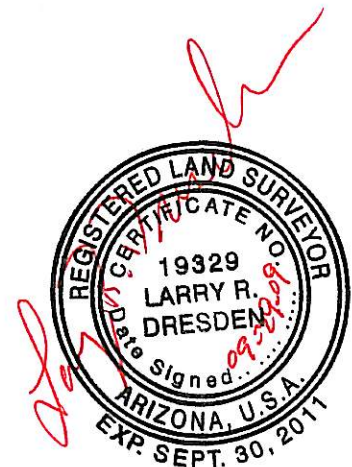
Latest Observation Date: Thursday, April, 09, 2009 Greenwich Mean Time-05:56:03 PM.

Epoch Date-1239299763

Julian Date- 2454931.24726

Observer: Enrique S. Urbietta & Jesse Gonzalez.

Under the Direct Supervision of : Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK #2084

A 3" diameter brass cap with a punch mark in a hand hole located at Avenue 3 ½ E and 36th Street. A Center Quarter Section Corner.

NAD-1983-Coordinates

Latitude 32° 39' 44.83160" North

Longitude 114° 34' 21.63781" West

Ellipsoid Height 98.959 survey feet

North 605,727.162 survey feet

East 446,819.280 survey feet

NAVD-1988-Elevation

210.034 survey feet

NAD-1927-Coordinates

North 605,687.668 survey feet

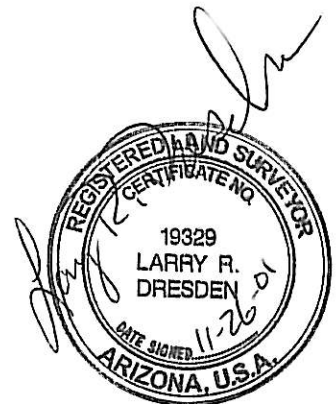
East 247,056.352 survey feet

NGVD-1929-Elevation

207.882 survey feet

Observation Date: Friday, November 9th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2085

Found previously a 1/2in. diameter rebar, with plastic cap, LS 22767 2in. below asphalt.
Set a 3in. diameter, Brass cap LS 19329-COY-2011, properly stamped, in frame and
cover 9in. below asphalt. This is the Common 1/4 Corner for Sections 12 and 13, T9S,
R23W, G&SRB&M.

Located on Ave. 3 1/2E and 40th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°39'18.66959" North

Longitude 114°34'21.26297" West

Ellipsoid Height : 101.815 US Survey Feet / 101.815 International Feet / 31.03328 Meters.

North 603,082.873 US Survey Feet / 603,084.0792 International Feet.

East 446,830.840 US Survey Feet / 446,831.7337 International Feet.

NAVD-1988-Elevation

213.01 US Survey Feet. / 213.01 International Feet. / 64.9256 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: November 09, 2001 Previous Observer: Larry R. Dresden

NGVD-1929-Elevation

213.01 NAVD-1988

-2.15 Area Constant

210.86 US Survey Feet. / 64.2703 Meters.

Latest Observation Date: May 23, 2011 Greenwich Mean Time 5:34:28 PM.

Epoch Date- 1306172068

Julian Date- 2455705.23227

Observer: Enrique S. Urbieto

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK #2086

A 5/8" diameter rebar with a punch mark 1 ft. down in a hand hole. Located at 32nd Street and Avenue 3 1/2 E. A Quarter Section Corner.

NAD-1983-Coordinates

Latitude 32° 40' 10.99699" North
Longitude 114° 34' 22.01125" West
Ellipsoid Height 104.180 survey feet
North 608,371.794 survey feet
East 446,807.854 survey feet

NAVD-1988-Elevation

215.205 survey feet

NAD-1927-Coordinates

North 608,332.328 survey feet
East 247,044.902 survey feet

NGVD-1929-Elevation

213.009 survey feet

Observation Date: Friday, November 9th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK #2087

A 5/8" diameter rebar with a punch mark 1 ft. down in a hand hole. Located at 32nd Street and Avenue 4E. A Section Corner.

NAD-1983-Coordinates

Latitude 32° 40' 11.28940" North
Longitude 114° 33' 50.97323" West
Ellipsoid Height 107.386 survey feet
North 608,380.886 survey feet
East 449,461.265 survey feet

NAVD-1988-Elevation

218.414 survey feet

NAD-1927-Coordinates

North 608,341.431 survey feet
East 249,698.305 survey feet

NGVD-1929-Elevation

216.257 survey feet

Observation Date: Friday, November 9th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK #20898

A 2" diameter brass cap with a punch mark in a hand hole located at Avenue 4 ½ E and 32nd Street. A Quarter Section Corner.

NAD-1983-Coordinates

Latitude 32° 40' 11.62647" North

Longitude 114° 33' 20.05938" West

Ellipsoid Height 104.010 survey feet

North 608,394.788 survey feet

East 452,104.089 survey feet

NAVD-1988-Elevation

215.043 survey feet

NAD-1927-Coordinates

North 608,355.360 survey feet

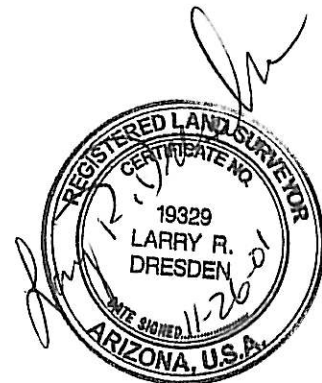
East 252,341.104 survey feet

NGVD-1929-Elevation

212.917 survey feet

Observation Date: Thursday, November 15th, 2001.

Observer: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2089

Found a 3 inch diameter ADOT Highway Division cap in handhole.

This is a Section Corner being the

South East Corner of Section 6, T9S, R22W;

South West Corner of Section 5, T9S, R22W;

North East Corner of Section 7, T9S, R22W;

North West Corner of Section 8, T9S, R22W;

of the Gila and Salt River Base and Meridian.

Being located at 32nd Street and 5E

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°40'11.95743" North

Longitude 114°32'49.25863" West

Ellipsoid Height 104.198 survey feet, (or 31.76 meters)

North 608369.016 survey feet

East 254974.112 survey feet

NGVD-1929-Elevation

213.054 survey feet, (or 64.94 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'11.95746" North

Longitude 114°32'49.25852" West

Ellipsoid Height 104.209 survey feet, (or 31.76 meters)

North 608408.419 survey feet

East 454737.087 survey feet

NAVD-1988-Elevation

215.237 survey feet, (or 65.60 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation.

Latest Observation Date: Thursday October 13, 2004

Observer: John Nye

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2090

Found a 1 ½ inch diameter brass cap, with a punch mark in the center, bludgeoned, ~~Badly~~
~~beaten~~, set in a hand hole approximately 1 foot below the asphalt road surface.

This is a Section ¼ Corner being the
North ¼ Corner of Section 8, T9S, R22W;
South ¼ Corner of Section 5, T9S, R22W, of the Gila and Salt River Base and Meridian.

Being located at the centerline of 32nd Street and Avenue 5 ½ E.

NAD-1927-Coordinates (Arizona Zone 0203)

Latitude 32°40'11.96714"N
Longitude 114°32'18.79431"W
Ellipsoid Height 103.599 survey feet, (or 31.577 meters)
North 608,350.561 survey feet
East 257,578.246 survey feet

NGVD-1929-Elevation

212.448 survey feet, (or 64.754 meters)

NAD-1983-Coordinates (Arizona Zone 0203)

Latitude 32°40'11.96724"N
Longitude 114°32'18.79421"W
Ellipsoid Height 103.569 survey feet, (or 31.568 meters)
North 608,389.953 survey feet
East 457,341.220 survey feet

NAVD-1988-Elevation

214.592 survey feet, (or 65.408 meters)

These are the results of a 30 minute Trimble 4800 RTK observation.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Wednesday, October 13, 2004.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License # 19329
California License # 5643



BENCHMARK # 2091

Found a 3in. dia. Brass cap LS 16552-JACOBSON CO-2010, properly stamped, encased in concrete, about 6 inches below asphalt, in frame and cover. Found a 3in. dia. A.D.O.T. Brass Cap with punch mark in frame and cover, found prior. This is the common Section Corner of Sections 4, 5, 8 and 9, T9S, R22W, of the Gila And Salt River Base And Meridian.

Located in the intersection of Ave. 6E and 32nd . St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'11.97361" North

Longitude 114°31'48.32802" West

Ellipsoid Height 103.220 US Survey feet / 103.220 International feet / 31.46152 meters.

North 608,371.307 US Survey feet. / 608,372.5237 International feet.

East 459,945.657 US Survey feet. / 459,946.5769 International feet.

NAVD-1988-Elevation

214.32 US Survey feet. / 214.32 International feet. / 65.32487 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: January 09, 2004 Previous Observer: Martin Sandoval

NGVD-1929-Elevation

214.32 NAVD-1988

- 2.15 Area Constant

212.17 US Survey feet. / 64.66955 meters.

Latest Observation Date: September 28, 2010 Greenwich Mean Time-04:05:14 PM.

Epoch Date-1285689914

Julian Date- 2455468.1703

Observer: Enrique S. Urbieto

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2092

Found a 3 inch diameter Brass Cap with punch mark, (Set by Juan Lomeli: LS #22767 during the ASH construction) without date or LS # or Agency or ID. 6 inches below asphalt inside a frame and cover . This is the Common Quarter Corner of Sections 4 and 9, T9S, R22W, of the Gila And Salt River Base And Meridian.

Located at 32nd . St. and Araby Road (Ave. 6 1/2E)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'12.27259" North

Longitude 114°31'17.14560" West

Ellipsoid Height 100.941 US Survey Feet / 100.941 International Feet / 30.76694 Meters.

North 608,382.0300 US Survey Feet. / 608,383.2468 International Feet.

East 462,611.3980 US Survey Feet. / 462,612.3232 International Feet.

NAVD-1988-Elevation

212.01 US Survey Feet. / 212.01 International Feet. / 64.62091 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: January 5, 2005 Previous Observer: Martin Sandoval

NGVD-1929-Elevation

212.01 NAVD-1988

- 2.15 Area Constant

209.86 US Survey Feet. / 209.86 International Feet. / 63.9655 Meters.

Latest Observation Date: June 26, 2012 Greenwich Mean Time 06:30:37 PM.

Epoch Date - 1340735437

Julian Date - 2456104.97959

Observer: Enrique S. Urbieto, John Nye and Louis Romero

Under the Direct Supervision of :

Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2093

Found a 3-inch diameter brass cap stamped "City of Yuma, T9S, R22W, S3, S4, S9, S10, L. S. 19329, 2003".

This is a Section Corner being the
Northwest Corner of Section 10, T9S, R22W;
Northeast Corner of Section 9, T9S, R22W;
Southeast Corner of Section 4, T9S, R22W;
Southwest Corner of Section 3, T9S, R22W, of the Gila and Salt River Base and Meridian.

Being located at the intersection of 32nd Street and Avenue 7E.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°40'12.55801" North
Longitude 114°30'45.98340" West
Ellipsoid Height 105.222 survey feet, (or 32.072 meters)
North 608,352.346 survey feet
East 265,512.277 survey feet
NGVD-1929-Elevation
214.012 survey feet, (or 65.231 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'12.55774" North
Longitude 114°30'45.98327" West
Ellipsoid Height 105.261 survey feet, (or 32.084 meters)
North 608,391.640 survey feet
East 465,275.252 survey feet
NAVD-1988-Elevation
216.229 survey feet, (or 65.907 meters)

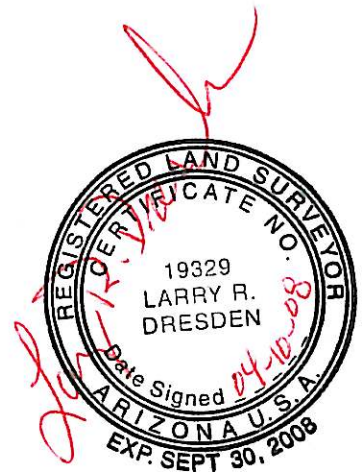
These are the results of a 30-minute Trimble 4800 RTK Observation.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Tuesday, May 17, 2005.

Observer: Martin Sandoval.



DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevation have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevation of the point in reference to the City of Yuma Datum.

BENCHMARK # 2094

Found 8" diameter concrete cylinder in hand hole with pvc pipe, and nail as center point, North ¼ Corner of Section 10, South ¼ Corner of Section 3, T9S, R22W, of the Gila and Salt River Base and Meridian.

Being located at 32nd Street and 7 ½ E.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°40'12.91082" North

Longitude 114°30'14.99706" West

Ellipsoid Height 106.104 survey feet, (or 32.34 meters)

North 608369.091 survey feet

East 268161.283 survey feet

NGVD-1929-Elevation

214.860 survey feet, (or meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'12.91102" North

Longitude 114°30'14.99704" West

Ellipsoid Height 106.046 survey feet, (or 32.32 meters)

North 608408.413 survey feet

East 467924.250 survey feet

NAVD-1988-Elevation

216.980 survey feet, (or 66.14 meters)



These are the results of a 30 minute Trimble 4800 RTK Observation with 2003 Geoid.

Latest Observation Date: May 17, 2005

Observer: John Nye.

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

BENCHMARK # 2095

Found a 3" Dia. Brass cap a with punch mark and LS 16592, encased in concrete, in handhole with broken lip and without lid. Set straddle nails prior to removing broken frame. In the process of removing the broken frame the Brass Cap was disturbed. Reset Brass Cap using pre-set straddle nails. This is the common Corner for Sections 2,3,10 and 11, T9S, R22W of the Gila And Salt River Base And Meridian.

Located in the intersection of Av.8E and 32nd . St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'13.25221" North

Longitude 114°29'44.00841" West

Ellipsoid Height 105.999 US survey feet / 105.999 International feet / 32.3085 meters.

North 608,424.129 US survey feet. / 608,425.3459 International feet.

East 470,573.620 US survey feet. / 470,574.5611 International feet.

NAVD-1988-Elevation

219.16 US survey feet. / 219.16 International feet. / 66.80 meters.

NGVD-1929-Elevation

219.16 NAVD-1988

- 2.15 Area Constant

217.01 US survey feet. / 66.1448 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: January 27, 2005. Previous Observer: Martin Sandoval.

Latest Observation Date: January 29, 2010 Greenwich Mean Time-04:10:39 PM.

Epoch Date-1264799755

Julian Date- 2455226.09073

Observer: Enrique S. Urbieto, Jesse Gonzalez.

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2096

Set a 3in. diameter brass cap, LS 19329-COY-2011, 10 inches below asphalt inside a frame and cover. Found prior a 3in. diameter brass cap a with punch mark and LS 16592, encased in concrete, 6 inches below asphalt in hand hole with broken lip. Set straddle nails prior to removing broken frame. In the process of removing the broken frame the brass cap's stem was broken off. Reset it with the new brass cap using pre-set straddle nails. This is the Common Quarter Corner for Sections 2, and 11, T9S, R22W of the G. & S. R. B. & M.

Located in the intersection of Av.8 1/2E and 32nd . St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'13.18008" North

Longitude 114°29'12.79915" West

Ellipsoid Height 108.644 US survey feet / 108.644 International feet / 33.11476 meters.

North 608,398.2160 US survey feet. / 608,399.4328 International feet.

East 473,241.2780 US survey feet. / 473,242.2245 International feet.

NAVD-1988-Elevation

219.58 US survey feet. / 219.58 International feet. / 66.92812 meters.

NGVD-1929-Elevation

219.58 NAVD-1988

- 2.15 Area Constant

217.43 US survey feet. / 66.2728 meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: May 18, 2005. Previous Observer: Martin Sandoval.

Latest Observation Date: July 31, 2012 Greenwich Mean Time-05:43:46 PM.

Epoch Date-1343753026

Julian Date- 2456140.19706

Observer: Enrique S. Urbieta, Jesse Gonzalez.

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of:

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2097

Found a 3" diameter. Brass cap with punchmark in concrete pad. LS16592.

Located in the intersection of 28th St. And Ave. 9E.

E 1/4 SEC, 2 T9S, R22W
W 1/4 SEC, 1

NAD-1983-Coordinates (Arizona West Zone 2003)

Latitude 32°40'39.37200" North

Longitude 114°28'41.87805" West

Ellipsoid Height : 106.593 US survey feet / 106.592 International feet / 32.50 meters.

North 611027.037 US survey feet./ 611025.815 International feet.

East 475902.741 US survey feet / 475901.789 International feet.

NAVD-1988-Elevation

217.452 US survey feet. / 217.45 International feet. / 66.296 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

217.45 - 2.150 = 215.30 US survey feet. / 65.64 meters.

Latest Observation Date: February ,12, 2007 Greenwich Mean Time-05:51:24 PM.

Epoch Date- 1171284684

Julian Date- 2454143.74403

Observer: Enrique S. Urbieto

Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).

Under the Direct Supervision of : Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2098

On February 2007, found a 3" dia. brass cap LS16810, in frame and cover. On September 2010, found a 1/2in. dia. rebar with cap LS 22767, flush with asphalt. Set a 3in. dia. brass cap LS19329-COY-2010 in frame and cover. This is the Section Corner for Sections 35 and 36, T8S, R22W, and Sections 1 and 2, T9S, R22W, of the Gila and Salt River Base and Meridian. Located in the intersection of 24th St. And Ave. 9E.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'05.73023" North

Longitude 114°28'42.16983" West

Ellipsoid Height : 68.068 US Survey Feet / 68.068 International Feet / 20.75 Meters.

North 613,691.042 US Survey Feet. / 613692.2694 International Feet.

East 475895.941 US Survey Feet. / 475896.8928 International Feet.

NAVD-1988-Elevation

178.81 US Survey Feet. / 178.81 International Feet. / 54.5014 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: February 12, 2007 Previous Observer: Enrique S. Urbietta

NGVD-1929-Elevation

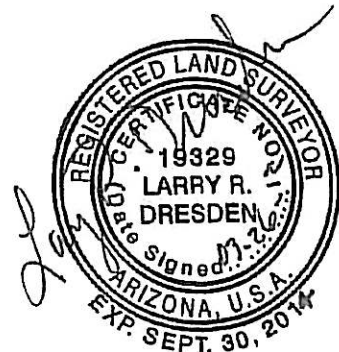
178.81 - 2.15 = 176.66 US Survey Feet. / 53.8461 Meters.

Latest Observation Date: March 08, 2012 Greenwich Mean Time-06:49:03 PM.

Epoch Date- 1331232543 Julian Date- 245595.28406 Observer: Enrique S. Urbietta

Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).

Under the Direct Supervision of : Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK #2099

Found a 3 inch diameter brass cap, partially obliterated, in a hand hole approximately 10 inches below the asphalt road surface.

This is the East Quarter Section Corner of Section 36, T8S, R22W, and the West Quarter Section Corner of Section 35, T8S, R22W, of the Gila and Salt River Base and Meridian.

Located at the intersection of City 20th Street and Avenue 9E.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32° 41' 31.831" North
Longitude 114° 28' 42.375" West
Ellipsoid Height 43.193 survey feet, (or 13.165 meters)
North 616,289.802 survey feet
East 276,133.437 survey feet

NGVD-1929-Elevation

151.628 survey feet, (or 46.216 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32° 41' 31.832" North
Longitude 114° 28' 42.375" West
Ellipsoid Height 43.117 survey feet, (or 13.412 meters)
North 616,329.074 survey feet
East 475,896.503 survey feet

NAVD-1988-Elevation

153.716 survey feet, (or 46.853 meters)



These are the results of a 30 minute Trimble 4800 RTK Observation.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Wednesday, November 5th, 2003.

Observer: John Nye

DISCLAIMER STATEMENT

Since this point is outside of the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevation have been compromised and should be re-evaluated by the user prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevation of the point in reference to the City of Yuma Datum.

BENCHMARK #2100

Found a 2 ½ inch diameter brass cap, set in a hand hole approximately 1 foot below the asphalt road surface.

This is the Southeast Corner of Section 26, T8S, R22W, and the Southwest Corner of Section 25, T8S, R22W, and the Northeast Corner of Section 35, T8S, R22W, and the Northwest Corner of Section 36, T8S, R22W, of the Gila and Salt River Base and Meridian.

Located at the intersection of City 16th Street and Avenue 9E.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude	32° 41' 57.94961" North
Longitude	114° 28' 42.59261" West
Ellipsoid Height	43.876 survey feet, (or 13.374 meters)
North	618,929.544 survey feet
East	276,133.008 survey feet

NGVD-1929-Elevation

152.248 survey feet, (or 46.406 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude	32° 41' 57.95004" North
Longitude	114° 28' 42.59242" West
Ellipsoid Height	43.906 survey feet, (or 13.383 meters).
North	618,968.817 survey feet
East	475,896.069 survey feet



NAVD-1988-Elevation

154.441 survey feet, (or 47.074 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Wednesday, November 5th, 2003.

Observers: Martin Sandoval & Cryselle Uribe.

DISCLAIMER STATEMENT

Since this point is outside of the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevation have been compromised and should be re-evaluated by the user prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevation of the point in reference to the City of Yuma Datum.

BENCHMARK # 2101

Found a 2 ½ in. diameter Brass cap with "x" mark in frame and cover, 5 in. below asphalt, not properly stamped. This is the North Quarter Corner of Section 35, T8S,R22W, of the Gila And Salt River Base And Meridian.

Located in the intersection of Ave 8.5E and 16th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'57.76930" North

Longitude 114°29'13.62041" West

Ellipsoid Height 43.182 US survey feet. / 43.182 International feet. / 13.1619 Meters.

North 618,968.997 US survey feet / 618,970.2349 International feet.

East 473,244.609 US survey feet / 473,245.5555 International feet.

NAVD-1988-Elevation

153.89 US survey feet. / 153.89 International feet. / 46.90577 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

153.89 NAVD-1988

- 2.15 Area Constant

151.74 US survey feet. / 46.2504 Meters.

Latest Observation Date: March 10, 2010 Greenwich Mean Time-06:48:39 PM.

Epoch Date-1268250519

Julian Date- 2455266.32545

Observer: Enrique S. Urbieta, Jesse Gonzalez, Louis Romero, John Nye.

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of :

Larry R. Dresden Registered Land Surveyor,

Arizona License # 19329

California License # 5643



BENCHMARK # 2102

Found a 2" diameter Brass cap with punch mark in hand hole with cover. 14 inches below asphalt. This is the common Corner of Sections, 26, 27, 34 and 35, T8S,R22W, of the Gila And Salt River Base And Meridian.

Located in the intersection of Ave 8E and ~~24th~~^{16th} St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'57.58107" North

Longitude 114°29'44.65344" West

Ellipsoid Height 40.581 US survey feet. / 40.581 International feet. / 12.369114 meters.

North 618,968.500 US survey feet / 618,969.7379 International feet.

East 470,592.582 US survey feet / 470,593.5232 International feet.

NAVD-1988-Elevation

151.33 US survey feet. / 151.33 International feet. / 46.12548 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

151.33 NAVD-1988

-2.15 Area Constant

149.18 US survey feet. / 45.470159 meters.

Latest Observation Date: January, 08, 2008 Greenwich Mean Time-07:20:54 PM.

Epoch Date-1199820054

Julian Date- 2454474.30618

Observer: Enrique S. Urbieto, Jessy Gonzalez.

Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).

Under the Direct Supervision of:

Larry R. Dresden

Registered Land Surveyor,

Arizona License # 19329 California License # 5643



BENCHMARK # 2103

Found, a 1" diameter galvanized Pipe filled with concrete, inside a 3 inch (inside diameter) steel pipe with concrete, 5 inches below surface of asphalt road. This being the North ¼ Corner for Section, 24, T8S, R24W, of the Gila And Salt River Base And Meridian, Intersecting with the South Line of Section 32, T16S, R22E, of the San Bernardino Base and Meridian.

Located on Ave. C ½ and Riverside Drive.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°43'17.33276" North

Longitude 114°40'33.79293" West

Ellipsoid Height 15.083 US survey feet / 15.083 International feet / 4.5974 meters.

North 627,465.473 US survey feet / 627,466.7279 International feet.

East 415,191.843 US survey feet / 415,192.6734 International feet.

NAVD-1988-Elevation

126.10 US survey feet. / 126.10 International feet. / 38.4354 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

126.10 NAVD 1988

-2.15 Area Constant

123.95 U.S. Survey Feet / 123.95 International Feet.

Latest Observation Date: Friday, April, 10, 2009 Greenwich Mean Time-06:09:01 PM.

Epoch Date-1239386941

Julian Date- 2454932.25626

Observer: Enrique S. Urbieto

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2104

Found a 2 ½-inch diameter brass cap with punch in a hand hole approximately 1 foot below the asphalt road surface.

This is a Section Corner being the

Southwest Corner of Section 27, T8S, R22W;

Southeast Corner of Section 28, T8S, R22W;

Northeast Corner of Section 33, T8S, R22W;

Northwest Corner of Section 34, T8S, R22W, of the Gila and Salt River Base and Meridian.

Located at the centerline of Avenue 7E and Highway 95 (City of Yuma's 16th Street).

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'57.19740" North

Longitude 114°30'46.62317" West

Ellipsoid Height 38.559 survey feet, (or 11.753 meters)

North 618,928.054 survey feet

East 265,533.539 survey feet

NGVD-1927-Elevation

147.108 survey feet, (or 44.839 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'57.19746" North

Longitude 114°30'46.62311" West

Ellipsoid Height 38.565 survey feet, (or 11.755 meters)

North 618,967.381 survey feet

East 465,296.588 survey feet

NAVD-1988-Elevation

149.285 survey feet, (or 45.502 meters)



These are the results of a 30-minute Trimble 4800 RTK Observation. Using GEOID 2003.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Monday, December 19, 2005.

Observer: Martin Sandoval.

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevation have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other Known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevation of the point in reference to the City of Yuma Datum.

BENCHMARK #2105

Found remains of a rebar of unknown size in H.H. Set a 3" brass cap set in concrete stamped City of Yuma, GSRBM, T8S, R22W, 2006, LS#19329 with punch mark. Located at the intersection of Highway 95 and the centerline of Araby Road. This is the South ¼ Corner of Section 28 and the North ¼ Corner of Section 33, T8S, R22W, of the Gila and Salt River Base and Meridian.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'57.05182" North
Longitude 114°31'17.45746" West
Ellipsoid Height 38.102 U.S. Survey Feet, (or 11.613 meters)
North 618,932.37 U.S. Survey Feet
East 262,898.531 U.S. Survey Feet

NGVD-1929-Elevation: 146.685 U.S. Survey Feet, (or 44.709 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'57.05190" North
Longitude 114°31'17.45761" West
Ellipsoid Height 38.140 U.S. Survey Feet, (or 11.625 meters)
North 618,971.718 U.S. Survey Feet
East 462,661.563 U.S. Survey Feet

NAVD-1988-Elevation: 148.893 U.S. Survey Feet, (or 45.382 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation with 2003 Geoid.

Observation Date: Monday, January 19, 2005. Observer: Louis Romero

Under the Direct Supervision of: Larry R. Dresden, Professional Registered Land Surveyor: Arizona License #19329, California License #5643

Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).



BENCHMARK # 2106

WITHOUT LS # OR YEAR

Found a 2 ½ in. diameter Brass cap with punch mark in hand hole . 5 in. below asphalt, not properly stamped. This is the common Corner of Sections, 28, 29, 32 and 33, T8S,R22W, of the Gila And Salt River Base And Meridian.

Located in the intersection of Ave 6E and 16th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'56.90039" North

Longitude 114°31'48.29156" West

Ellipsoid Height 37.751 US survey feet. / 37.751 International feet. / 11.5065 meters.

North 618,975.663 US survey feet / 618,976.901 International feet.

East 460,026.731 US survey feet / 460,027.6511 International feet.

NAVD-1988-Elevation

148.61 US survey feet. / 148.61 International feet. / 45.2964 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: Tuesday, August 23, 2005

Previous Observer: Louis Romero

NGVD-1929-Elevation

148.61 NAVD-1988

- 2.15 Area Constant

146.46 US survey feet. / 44.411 meters.

Latest Observation Date: March, 03, 2010 Greenwich Mean Time-08:29:14 PM.

Epoch Date-1267648154

Julian Date- 2455259.35363

Observer: Enrique S. Urbietta

Under the Direct Supervision of : Larry R. Dresden Registered Land Surveyor,
Arizona License # 19329 California License # 5643



BENCHMARK # 2107

Found a 2 1/2 inch diameter brass cap in hand hole.
This is a 1/4 Corner being the
South Corner of Section 29, T8S, R23W;
North Corner of Section 32, T8S, R23W;
of the Gila and Salt River Base and Meridian.

Being located at 16th Street and 5 1/2E.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'56.69704" North

Longitude 114°32'19.24883" West

Ellipsoid Height 35.942 survey feet, (or 10.955 meters)

North 618935.288 survey feet

East 257617.976 survey feet

NGVD-1929-Elevation

144.575 survey feet, (or 44.067 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'56.69650" North

Longitude 114°32'19.25128" West

Ellipsoid Height 35.964 survey feet, (or 10.962 meters)

North 618974.615 survey feet

East 457380.810 survey feet

NAVD-1988-Elevation

146.764 survey feet, (or 44.734 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation.

Latest Observation Date: Thursday August 11, 2005

Observer: Louis Romero, John Nye

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2108

Found a 3 inch diameter aluminum cap in hand hole stamped A.D.O.T Highway Div.
This is a Section Corner being the
South West Corner of Section 29, T8S, R23W;
South East Corner of Section 30, T8S, R23W;
North East Corner of Section 31, T8S, R23W;
North West Corner of Section 32, T8S, R23W;
of the Gila and Salt River Base and Meridian.

Being located at 16th Street and 5E.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'56.49084" North

Longitude 114°32'50.22004" West

Ellipsoid Height 36.047 survey feet, (or 10.987 meters)

North 618934.204 survey feet

East 254971.221 survey feet

NGVD-1929-Elevation

165.214 survey feet, (or 50.36 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'56.48999" North

Longitude 114°32'50.22281" West

Ellipsoid Height 36.052 survey feet, (or 10.989 meters)

North 618973.520 survey feet

East 454734.028 survey feet

NAVD-1988-Elevation

146.867 survey feet, (or 44.765 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation.

Latest Observation Date: Thursday August 11, 2005

Observer: Louis Romero, John Nye

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2109

Found a 2 1/2 inch diameter brass cap in hand hole.

This is a 1/4 Corner being the
South Corner of Section 30, T8S, R23W;
North Corner of Section 31, T8S, R23W;
of the Gila and Salt River Base and Meridian.

Being located at 16th Street and 4 1/2 E.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'56.20242" North

Longitude 114°33'21.11743" West

Ellipsoid Height 35.136 survey feet, (or 10.709 meters)

North 618924.978 survey feet

East 252330.710 survey feet

NGVD-1929-Elevation

143.796 survey feet, (or meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'56.20183" North

Longitude 114°33'21.11988" West

Ellipsoid Height 35.178 survey feet, (or 10.722 meters)

North 618964.339 survey feet

East 452093.544 survey feet

NAVD-1988-Elevation

146.004 survey feet, (or 44.502 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation.

Latest Observation Date: Thursday August 11, 2005

Observer: Louis Romero, John Nye

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License #5643



BENCHMARK # 2110

Found a 2 ½ "diameter brass cap with punch, in a hand hole.

Being located at the centerline of Highway 95 (City of Yuma 16th Street) and Avenue 4E.

This is a Section Corner being the
Southeast Corner of Section 25, T8S, R23W;
Northeast Corner of Section 36, T8S, R23W;
Northwest Corner of Section 30, T8S, R22W;
Southwest Corner of Section 31, T8S, R22W, of the Gila and Salt River Base and Meridian.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'55.91312" North
Longitude 114°33'51.97783" West
Ellipsoid Height 31.619 survey feet, (or 9.638 meters)
North 618,915.852 survey feet
East 249,693.356 survey feet

NGVD-1929-Elevation

140.283 survey feet, (or 42.758 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'55.91321" North
Longitude 114°33'51.97800" West
Ellipsoid Height 31.642 survey feet, (or 9.645 meters)
North 618,955.301 survey feet
East 449,456.386 survey feet

NAVD-1988-Elevation

142.471 survey feet, (or 43.425 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Monday, August 08, 2005.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License # 19329
California License # 5643



BENCHMARK # 2111

Found a 2 ½ "diameter brass cap with punch, in a hand hole.

Being located at the centerline of highway 95 (City of Yuma 16th Street) and Avenue 3 ½ E.

This is a Section Corner being the
North ¼ Corner of Section 36, T8S, R23W;
South ¼ Corner of Section 25, T8S, R23W, of the Gila and Salt River Base and Meridian.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'55.67089" North
Longitude 114°34'22.95345" West
Ellipsoid Height 30.995 survey feet, (or 9.447 meters)
North 618,911.773 survey feet
East 247,046.191 survey feet

NGVD-1929-Elevation

139.665 survey feet, (or 42.570 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'55.67104" North
Longitude 114°34'22.95349" West
Ellipsoid Height 30.981 survey feet, (or 9.443 meters)
North 618,951.247 survey feet
East 446,809.231 survey feet

NAVD-1988-Elevation

141.815 survey feet, (or 43.225 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Monday, August 08, 2005.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License # 19329
California License # 5643



BENCHMARK # 2112

Found previously a 3in. dia. Aluminum Cap, LS 22767-ADOT-2002, with punch mark, in frame and cover. Found a 3in. dia. Aluminum Cap, LS 22767-ADOT-2002, with punch mark, not properly stamped in frame and cover, 6in. below asphalt. This is the Common Section Corner of Sections 25, 26, 35 and 36, T8S, R23W of the Gila & Salt River Base and Meridian.

Located on Ave. 3E and 16th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'55.37416" North

Longitude 114°34'53.88007" West

Ellipsoid Height : 29.919 US Survey Feet / 29.919 International Feet / 9.11933 Meters.

North 618,941.8600 US Survey Feet / 618,943.0979 International Feet.

East 444,166.3360 US Survey Feet / 444,167.2243 International Feet.

NAVD-1988-Elevation

140.80 US Survey Feet. / 140.80 International Feet. / 42.91593 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: July 05, 2005 Previous Observer: Louis Romero.

NGVD-1929-Elevation

140.80 NAVD-1988

-2.15 Area Constant

138.65 US Survey Feet. / 42.260605 Meters.

Latest Observation Date: September 12, 2011 Greenwich Mean Time 4:02:17 PM.

Epoch Date- 1315843337

Julian Date- 2455817.16825

Observer: Enrique S. Urbieto.

BENCHMARK #2113

Found a 3 inch diameter ADOT - 1971 Brass cap stamped, Arizona Highway Dept. with punch mark, encased in concrete with frame and cover, 6 inches below asphalt. This is the Common $\frac{1}{4}$ Corner of Section 35 and 36, T8S, R23W of the Gila and Salt River Base and Meridian.

Located on Ave. 3E and 20th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'29.30350" North

Longitude 114°34'53.74006" West

Ellipsoid Height 53.290 U.S. Survey Feet/ 53.290 International Feet/ 16.2428 Meters.

North 616,306.945 U.S. Survey Feet/ 616,308.1776 International Feet.

East 444,157.624 U.S. Survey Feet/ 444,158.5123 International Feet.

NAVD-1988-Elevation

164.21 U.S. Survey Feet/ 164.21 International Feet/ 50.0513 Meters.

These are the results of a 30 minute Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: Tuesday, July 26, 2005.

Observer: Louis Romero

Latest Observation Date: Thursday, April 15, 2010. Greenwich Mean Time: 3:52:57 PM

Epoch Date - 1271346777

Julian Date - 2455302.16177

Observers: Enrique S. Urbieto and Louis Romero.

WAS
0.151' LOWER
IN VERTICAL
NAVD88

NGVD-1929 Elevation

164.21 NAVD-1988

-2.15 Area Constant

162.06 U.S. Survey Feet / 162.06 International Feet/ 49.396 Meters.

Under the Direct Supervision of: Larry R. Dresden

Professional Registered Land Surveyor

Arizona License #19329

California License #5643



BENCHMARK # 2114

Found, a 1/2in. diameter Rebar ^{which had} previously with a Tom Yowell plastic cap LS 6022 as per Sun Valley Estates Number 3 Subdivision plat, Book 13, Page 91-92, Fee Number 18583, Dated 7/07/94, 15in. below ground, 415.00 Ft. South of Riverside Drive 5.20 Ft. Southeast of the Southwest chain link fence on Britain's Farm. This is the Center ¼ Corner for Section 24, T8S, R24W, of the Gila And Salt River Base And Meridian.

Located: 415.00 Ft. South of Riverside Drive at Ave. C 1/2

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°43'13.22662" North

Longitude 114°40'33.76164" West

Ellipsoid Height 15.712 US survey feet / 15.712 International feet / 4.7890 meters.

North 627,050.466 US survey feet / 627,051.7201 International feet.

East 415,190.894 US survey feet / 415,191.7244 International feet.

NAVD-1988-Elevation

126.74 US survey feet. / 126.74 International feet. / 38.6304 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

126.74 NAVD 1988

-2.15 Area Constant

124.59 U.S. Survey Feet / 124.59 International Feet.

Latest Observation Date: Thursday, March 11, 2010 Greenwich Mean Time-03:36:09 PM.

Epoch Date- 1268325369

Julian Date- 2455267.19177

Observer: Enrique S. Urbietta, Jesse Gonzalez

Under the Direct Supervision of :

Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK #2115

Found a 3" diameter Brass cap @ surface of asphalt.

Stamped: City of Yuma, Center ¼ corner Sec.33, T8S, R22W
LS#19329, 2002.

This is the Center ¼ corner of Section 33, T8S, R22W of the Gila and Salt River Base and Meridian.

Being located at the intersection of 20th Street (Co. 9th St.) and Araby Road.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'30.93364" North
Longitude 114°31'17.31080" West
Ellipsoid Height 40.151 survey feet, (or 12.514 meters)
North 616,292.659 survey feet
East 262,891.895 survey feet

NGVD-1929-Elevation

148.792 survey feet, (or 46.376 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'30.93357" North
Longitude 114°31'17.31022" West
Ellipsoid Height 40.17 survey feet, (or 12.52 meters)
North 616,331.992 survey feet
East 462,654.969 survey feet

NAVD-1988-Elevation

150.982 survey feet, (or 47.059 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation with 2003 Geoid.

Previous Observation date:

Previous Observer:

Latest Observation Date: Tuesday, January 4, 2005.

Observer: Louis Romero

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License #5643



BENCHMARK #2116

Found a 3in. diameter Brass Cap LS 22767-2008 with punch mark 7in. below asphalt in frame and cover. A 3-in. diameter ADOT cap located in H.H. stamped, Arizona Highway Dept. with punch mark found prior. This is the North $\frac{1}{4}$ Corner of Section 4, T9S, R22W, of the Gila and Salt River Base and Meridian.

Located at 24th. St. and Araby Road.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'04.81710" North
Longitude 114°31'17.16391" West
Ellipsoid Height 105.628 U.S. Survey Feet, (or 32.19548 Meters)
North 613,692.433 U.S. Survey Feet / 613,693.6604 International Feet.
East 462,648.442 U.S. Survey Feet / 462,649.3673 International Feet.

NAVD-1988-Elevation

216.59 U.S. Survey Feet / 216.59 International Feet. / 66.0167 Meters)

These are the results of a 30 minute Trimble 4800 RTK Observation with 2003 Geoid.

Previous Observation date: Wednesday, January 5, 2005.

Previous Observer: Louis Romero

NGVD-1929 Elevation

216.59 NAVD-1988
- 2.15 Area Constant
214.44 U.S. Survey Feet. / 214.44 International Feet. / 65.3614 Meters

Latest Observation Date: December 21, 2009. Greenwich Mean Time 8:52:27 PM.

Epoch Date: 1261428747

Julian Date: 2455187.45309

Observer: Enrique S. Urbietta

Under the Direct Supervision of: Larry R. Dresden

Professional Registered Land Surveyor

Arizona License #19329

California License #5643



BENCHMARK # 2117

Found a 2 1/2-inch diameter brass cap, recess into the curb.

This is a ^{1/4} Section Corner being the
Center 1/4 Corner of Section 4, T9S, R22W, of the Gila and Salt River Base and Meridian.

Being located at centerline of Araby Road and south of the Interstate 8.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°40'38.44799" North
Longitude 114°31'17.15435" West
Ellipsoid Height 95.345 survey feet, (or 29.061 meters)
North 610,988.136 survey feet
East 262,866.746 survey feet

NGVD-1929-Elevation

204.104 survey feet, (or 62.211 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°40'38.44786" North
Longitude 114°31'17.15435" West
Ellipsoid Height 95.344 survey feet, (or 29.061 meters)
North 611,027.464 survey feet
East 462,629.731 survey feet

NAVD-1988-Elevation

206.278 survey feet, (or 62.874 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Wednesday, January 05, 2005.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor
Arizona Licensed # 19329
California Licensed # 5643



BENCHMARK # 2118

Found in August 20, 2007, a 3in. diameter BLM, (1960) Brass cap with punch mark in frame and cover, 7 inches below asphalt. In September 2010 found a PK Nail with Brass Tag LS 22767, flush with concrete. Set a 3in. diameter Brass Cap LS 19329-COY-2010, in frame and cover, 6in. below concrete. This is the North $\frac{1}{4}$ Corner of Section 2, T9S, R22W and the South $\frac{1}{4}$ Corner of Section 35, T8S, R22W of the Gila And Salt River Base And Meridian.

Located in the intersection of Ave 8 1/2E and 24th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'05.47116" North

Longitude 114°29'13.30577" West

Ellipsoid Height 107.759 US Survey Feet / 107.759 International Feet / 32.8451 Meters.

North 613,683.237 US Survey Feet. / 613,684.4644 International Feet.

East 473,234.677 US Survey Feet / 473,235.6235 International Feet.

NAVD-1988-Elevation

218.55 US Survey Feet. / 218.55 International Feet. / 66.61418 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: August 20, 2007 Previous Observer: Enrique S. Urbietta

NGVD-1929-Elevation

218.55 NAVD-1988

- 2.15 Area Constant

216.40 US Survey Feet. / 65.9589 Meters.

Latest Observation Date: March 08, 2012 Greenwich Mean Time-05:56:35 PM.
Epoch Date-1331229395 Julian Date- 2455995.247763 Observer: Enrique S. Urbietta

Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).

Under the Direct Supervision of : Larry R. Dresden
Registered Land Surveyor,
Arizona License # 19329 California License # 5643



BENCHMARK # 2119

Found a 3in. diameter Brass Cap LS 22767-2009-DRA, with punch mark, properly stamped, 6in. below asphalt in frame and cover. A 3in. diameter BLM, (1960) Brass cap with punch mark in frame and cover, 7 inches below asphalt found prior. This is the common Corner of Sections 34 and 35, T8S, R22W, and Sections 2 and 3, T9S, R22W, of the G&S.R.B.&M.

Located in the intersection of Ave 8E and 24th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'05.20905" North

Longitude 114°29'44.43551" West

Ellipsoid Height 107.658 US survey feet / 107.658 International feet / 32.8142 Meters.

North 613,675.391 US survey feet. / 613,676.6184 International feet.

East 470,574.011 US survey feet / 470,574.9521 International feet.

NAVD-1988-Elevation

218.54 US survey feet. / 218.54 International feet. / 66.6111 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: August 20, 2007. Observer: Enrique S. Urbietta

NGVD-1929-Elevation

218.54 NAVD-1988

-2.15 Area Constant

216.39 US survey feet. / 216.39 International Feet. / 65.95581 Meters.

Latest Observation Date: December 23, 2009 Greenwich Mean Time-05:51:43 PM.

Epoch Date-1261590703

Julian Date- 2455189.24425

Observer: Enrique S. Urbietta

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor,

Arizona License # 19329

California License # 5643



BENCHMARK # 2120

Found a 3in. diameter Brass Cap LS 22767-2009-DRA, properly stamped, with punch mark 6in. below asphalt in frame and cover. A 3in. diameter Brass cap LS 6022 with punch mark in frame and cover. 6in. below asphalt, found prior. This is the North $\frac{1}{4}$ Corner of Section 3, T9S,R22W, and the South $\frac{1}{4}$ Corner of Section 34,T8S, R22W, of the G&S.R.B.&M.

Located in the intersection of Ave 7 $\frac{1}{2}$ E and 24th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'05.06885" North

Longitude 114°30'15.37248" West

Ellipsoid Height 105.698 US survey feet / 105.698 International feet / 32.2168 Meters.

North 613,679.910 US survey feet./ 613,681.1374 International feet.

East 467,929.797 US survey feet / 467,930.7329 International feet.

NAVD-1988-Elevation

216.61 US survey feet. / 216.61 International feet. / 66.02286 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: August 20, 2007. Previous Observer: Enrique S. Urbietta

NGVD-1929-Elevation

216.61 NAVD-1988

- 2.15 Area Constant

214.46 US survey feet. / 214.46 International Feet. / 65.3675 Meters.

Latest Observation Date: December 23, 2009 Greenwich Mean Time-04:58:44 PM.

Epoch Date – 1261587524

Julian Date - 2455189.20745

Observer: Enrique S. Urbietta

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of : Larry R. Dresden
Registered Land Surveyor,
Arizona License # 19329
California License # 5643



BENCHMARK #2121

Found a 3in. diameter Brass Cap LS 22767-2009-DRA, properly stamped with punch mark, 7in. below asphalt in frame and cover. A 3in. diameter Brass Cap LS 19329-2001 COY properly stamped, set in concrete at asphalt surface, was found prior. This is the common Corner of Section 33 and 34, T8S, R22W, and the common Corner of Section 3 and 4, T9S, R22W, of the Gila and Salt River Base and Meridian.

Located at 24th St. and Ave. 7E.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'04.92818" North

Longitude 114°30'46.31136" West

Ellipsoid Height 107.561 US Survey Feet./107.561 International Feet./32.78466 Meters.

North 613,684.596 US Survey Feet. / 613,685.7884 International Feet.

East 465,285.420 US Survey Feet. / 465,286.3506 International feet.

NAVD-1988-Elevation

218.50 US Survey Feet. / 218.50 International Feet. / 66.5989 Meters.

These are the results of a 30 minute Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: Monday, December 19, 2005 Observer: Louis Romero

Latest Observation Date: December 22, 2009. Greenwich Mean time-04:23:27 PM

Epoch Date - 1261499007

Julian Date - 2455188.18295

Observer: Enrique S. Urbietta

NGVD-1929 Elevation

218.50 NAVD-1988

-2.15 Area Constant

216.35 US Survey Feet. / 216.35 International Feet. / 65.94361 Meters.

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of: Larry R. Dresden;
Professional Registered Land Surveyor;
Arizona License #19329;
California License #5643



BENCHMARK #2122

Found a 2 ½ inch diameter brass cap with punchmark, set in a hand hole approximately 1 foot below the asphalt road surface.

This is the South Quarter Section Corner of Section 25, T8S R22W and the North Quarter Section Corner of Section 36, T8S, R22W, of the Gila and Salt River Base and Meridian.

Located at the intersection of City 16th Street and Avenue 9 1/2E.

NAD-1927-Coordinates (Arizona West Zone 0203).

Latitude 32° 41' 58.06963" North
Longitude 114° 28' 11.62771" West
Ellipsoid Height 44.155 survey feet, (or 13.458 meters)
North 618,923.628 survey feet
East 278,779.123 survey feet

NGVD-1929-Elevation

152.469 survey feet, (or 46.473 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32° 41' 58.06920" North
Longitude 114° 28' 11.62793" West
Ellipsoid Height 44.271 survey feet, (or 13.494 meters)
North 618,962.791 survey feet
East 478,542.149 survey feet

NAVD-1988-Elevation

154.748 survey feet, (or 47.167 meters)



These are the results of a 30 minute Trimble 4800 RTK Observation.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Wednesday, November 5th, 2003.

Observers: Martin Sandoval & Cryselle Uribe.

DISCLAIMER STATEMENT

Since this point is outside of the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevation have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevation of the point in reference to the City of Yuma Datum.

BENCHMARK #2123

Found a 3-inch diameter brass cap, partially obliterated, set in a hand hole approximately 1 foot below the asphalt road surface.

This is the Southeast Corner of Section 25, T8S, R22W;

Southwest Corner of Section 30, T8S, R21W;

Northeast Corner of Section 36, T8S, R22W;

Northwest Corner of Section 31, T8S, R21W, of the Gila and Salt River Base and Meridian.

Located at the intersection of City 16th Street and Avenue 10E.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32° 41' 58.09827" North

Longitude 114° 27' 40.65750" West

Ellipsoid Height 45.497 survey feet, (or 13.867 meters)

North 618,908.687 survey feet

East 281,425.627 survey feet

NGVD-1929-Elevation

153.754 survey feet, (or 46.864 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32° 41' 58.09825" North

Longitude 114° 27' 40.65735" West

Ellipsoid Height 45.507 survey feet, (or 13.870 meters)

North 618,947.869 survey feet

East 481,188.684 survey feet

NAVD-1988-Elevation

155.928 survey feet, (or 47.527 meters)

These are the results of a 30 minute Trimble 4800 RTK Observation.

Previous Observation Date:

Previous Observers:

Latest Observation Date: Wednesday, November 6th, 2003.

Observers: Martin Sandoval & Cryselle Uribe

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevation have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevation of the point in reference to the City of Yuma Datum.



BENCHMARK # 2124

Found a 3" Dia. BLM 1960. Brass cap with punch mark, 2 ft. below ground, covered with hand hole lid. Being the E ¼ Cor. of section 36, R22W, T8S, of the G. & S. R. B. & M. Located on Ave. 10E. And Co. 9 ½ St. (20th. St. City)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'32.04328" North

Longitude 114°27'40.40031" West

Ellipsoid Height : 44.334 US survey feet / 44.334 International feet / 13.51303 meters.

North 616,314.627 US survey feet. / 616,315.8596 International feet.

East 481,193.217 US survey feet / 481,194.1794 International feet.

NAVD-1988-Elevation

154.96 US survey feet. / 154.96 International feet. / 47.23191 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

154.96 NAVD-1988

-2.15 Area Constant

152.81 US survey feet. / 46.57658 meters.

Latest Observation Date: March ,07, 2008 Greenwich Mean Time-05:36:25 PM.

Epoch Date- 1204911385

Julian Date- 2454533.23362

Observer: Enrique S. Urbietta

Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).

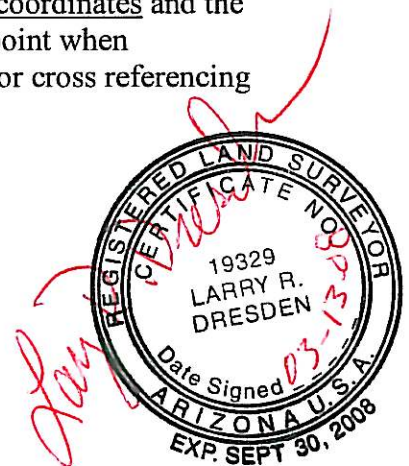
Under the Direct Supervision of :

Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2125

Found a 3" diameter. Brass cap ~~no punchmark~~, 6" below ground with cover. (Leaning west)
U.S. General Land Office Survey stamped. Common $\frac{1}{4}$ Cor. of Sections 1 and 36. Townships 8
and 9 South. Range 22 West of the Gila And Salt River Base And Meridian, *dated 1960*
Located in the intersection of Ave 9 $\frac{1}{2}$ E and 24th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'05.84332" North

Longitude 114°28'11.21725" West

Ellipsoid Height 101.472 US survey feet / 101.4722 International feet / 30.9287 meters.

North 613,684.481 US survey feet. / 613,685.7084 International feet.

East 478,541.613 US survey feet / 478,542.5701 International feet.

NAVD-1988-Elevation

212.218 US survey feet. / 212.2184 International feet. / 64.6843 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

212.2180 NAVD 1988

- 2.1500 Area Constant

210.0680 US survey feet. / 210.0684 International Feet. / 64.0289 meters.

Latest Observation Date: March, 18, 2007 Greenwich Mean Time-02:54:04 PM.

Epoch Date-1176890044

Julian Date- 2454208.62088

Observer: Enrique S. Urbieto



Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).

Under the Direct Supervision of: Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California Licence # 5643

BENCHMARK # 2126

Found a 1 1/4 in. solid square piece of steel encased in concrete 1 ft. below field road. Set a 3in. Brass Cap, LS 19329-COY-2010 properly stamped 2in. below road. This being the Center 1/4 Corner of Sections 34, T8S,R22W of the Gila And Salt River Base And Meridian.

Located in the intersection of Ave 7 1/2E and 20th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'31.22973" North

Longitude 114°30'15.50520" West

Ellipsoid Height 39.678 US survey feet / 39.678 International feet / 12.09387 Meters.

North 616,323.935 US survey feet / 616,325.1677 International feet.

East 467,937.248 US survey feet / 467,938.1839 International feet.

NAVD-1988-Elevation

150.52 US survey feet. / 150.52 International feet. / 45.87859 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

150.52 NAVD-1988

- 2.15 Area Constant

148.37 US survey feet./ 148.37 International Feet. / 45.2232 meters.

Latest Observation Date: April 28, 2010 Greenwich Mean Time- 4:04:45 PM.

Epoch Date-1272470685

Julian Date- 2455315.16997

Observer: Enrique S. Urbietta.

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of :

Larry R. Dresden,

Registered Land Surveyor.

Arizona License #19329

California License # 5643



BENCHMARK # 2127

Found 3-Inch Aluminum cap, stamped Arizona Highway Dept., with no punch in hand hole, approximately 6-inches below the surface of top of asphalt. Located on the East bound lanes of Interstate 8 highway, on the North Lane crossing Avenue 10E. Being the Southeast Section Corner of Section 1, T9S, R22W of the Gila & Salt River Base & Meridian.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude	32°40'13.57914" North
Longitude	114°27'39.60624" West
Ellipsoid Height	139.868 survey feet, (or 42.631 meters)
North	608,384.182 survey feet <i>/608,385.399 IF</i>
East	481,207.945 survey feet <i>/481,208.907 IF</i>

NAVD-1988-Elevation

250.684 survey feet, (or 76.41 meters)

These are the results of a 30 minute Trimble 5800 RTK Observation with 2003 Geoid.
Latest Observation Date: July 27, 2007 Observer: John Nye
Epoch Date-1185551387/Julian Date-2454309.15957/Greenwich Mean Time-15:49:47

NGVD 1929 Elevation calculated as follows:

250.684 survey feet (NAVD 1988 Elevation)

-2.15 (Yuma area mean difference)

248.534 = NGVD 1929 Elevation.

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor
Arizona License #19329
California License #5643



Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).

BENCHMARK # 2128

Found a 3" diameter. Brass cap with punchmark in survey hand hole. LS 25069.
Being the E ¼ cor. of section 1 R-22-W, T9S. Also the W. ¼ cor. of Section 6, R-21-W, T9S. of
the Gila And Salt River Base And Meridian.
Located in the intersection of 28th St. And Ave. 10E.

NAD-1983-Coordinates (Arizona West Zone 2003)

Latitude 32°40'39.78057" North

Longitude 114°27'39.92962" West

Ellipsoid Height : 126.997 US survey feet / 126.99 International feet / 38.72 meters.

North 611,032.416 US survey feet./ 611,031.194 International feet.

East 481,198.048 US survey feet / 481,197.086 International feet.

NAVD-1988-Elevation

237.754 US survey feet. / 237.75 International feet. / 72.49 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

237.75 - 2.15 = 235.60 US survey feet. / 71.83 meters.

Latest Observation Date: February ,12, 2007 Greenwich Mean Time-07:25:00 PM.

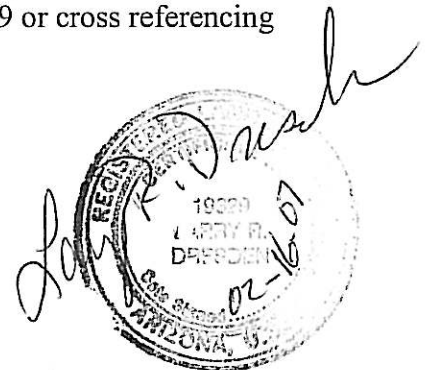
Epoch Date- 1171290300

Julian Date- 2454143.80903

Observer: Enrique S. Urbietta

Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).

Under the Direct Supervision of : Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2129

Found a 2 ½ in. diameter Brass cap with punch mark in hand hole . 15 in. below asphalt, not properly stamped. This is the North Quarter Corner of Section 34, T8S,R22W, of the Gila And Salt River Base And Meridian.

Located in the intersection of Ave 7.5E and 16th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'57.39371" North

Longitude 114°30'15.63867" West

Ellipsoid Height 40.335 US survey feet. / 40.335 International feet. / 12.29413 Meters.

North 618,968.278 US survey feet / 618,969.5159 International feet.

East 467,944.639 US survey feet / 467,945.5749 International feet.

NAVD-1988-Elevation

151.12 US survey feet. / 151.12 International feet. / 46.0614 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

151.12 NAVD-1988

- 2.15 Area Constant

148.97 US survey feet. / 45.4061 Meters.

Latest Observation Date: March 10, 2010 Greenwich Mean Time-05:01:22 PM.

Epoch Date-1268240482

Julian Date- 2455266.40482

Observer: Enrique S. Urbieto, Jesse Gonzalez, Louis Romero, John Nye.

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of :

Larry R. Dresden Registered Land Surveyor,

Arizona License # 19329

California License # 5643



BENCHMARK # 2130

Found a 3" diameter. Brass cap with punchmark in 6" plastic pipe with cover. BLM survey monument. Center 1/4 of Section 1 T9S,R22W of the Gila And Salt River Base And Meridian. Located in the intersection of Ave 9 1/2E and 28th. St.

NAD-1983-Coordinates (Arizona West Zone 2003)

Latitude 32°40'39.57916" North

Longitude 114°07'28.1090344" West

Ellipsoid Height 108.521 US survey feet / 108.52 International feet / 33.08 meters.

North 611,029.910 US survey feet. / 611,028.688 International feet.

East 478,550.431 US survey feet / 478,549.474 International feet.

NAVD-1988-Elevation

219.331 US survey feet. / 219.33 International feet. / 66.87 meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

219.33 - 2.15 = 217.18 US survey feet. / 66.21 meters.

Latest Observation Date: February, 12, 2007 Greenwich Mean Time-06:39:30 PM.

Epoch Date-1171287570

Julian Date- 2454143.77743

Observer: Enrique S. Urbieto

Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that do fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643



BENCHMARK # 2131

Found a 3-inch diameter brass cap stamped "CITY OF YUMA, T8S, R22W, S32, S33, S5, S4, T9S, R22W, 2003, LS 19329", approximately 1-inch below the asphalt road surface, set in concrete.

This is a Section Corner being the

Northwest Corner of Section 4, T9S, R22W;

Northeast Corner of Section 5, T9S, R22W;

Southeast Corner of Section 32, T8S, R22W;

Southwest Corner of Section 33, T8S, R22W, of the Gila and Salt River Base and Meridian.

Being located at the centerline of Avenue 6E and 24th Street.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'04.70734" North

Longitude 114°31'48.00445" West

Ellipsoid Height 35.810 survey feet, (or 10.915 meters)

North 613,661.270 survey feet

East 260,249.340 survey feet

NGVD-1929-Elevation

144.533 survey feet, (44.054 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'04.70725" North

Longitude 114°31'48.00440" West

Ellipsoid Height 35.807 survey feet, (or 10.914 meters)

North 613,700.623 survey feet

East 460,012.349 survey feet

NAVD-1988-Elevation

146.702 survey feet, (or 44.715 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation. Using GEOID 2003.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Monday, December 12, 2005.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor

Arizona License # 19329

California License # 5643



BENCHMARK # 2132 (Corrected)

Found a 3" diameter Brass cap LS 19329-COY-2003, properly stamped 2in. below asphalt, Set above previously found 1/2in. diameter rebar, this monument was set in the wrong place. Found a 2 ½ in. diameter Bureau of Reclamation -1958, properly stamped Brass Cap (S 89° 49' 40" E, a distance of 19.34 ft.), 3ft. below asphalt. Set a 3in. diameter Brass Cap COY-2010 – LS 19329, properly stamped, 6in. below asphalt in frame and cover. This is the common Quarter Corner of Section 32, T8S, R22W and of Section 5, T9S, R22W, of the Gila And Salt River Base And Meridian.

Located on Ave 5 ½ E and 24th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'04.39953" North

Longitude 114°32'18.80797" West

Ellipsoid Height 34.832 US survey feet / 34.832 International feet / 10.61682 Meters.

North 613,688.959 US survey feet. / 613,690.1864 International feet.

East 457,379.558 US survey feet / 457,380.4728 International feet.

NAVD-1988-Elevation

145.82 US survey feet. / 145.82 International feet. / 44.44602 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

145.82 NAVD-1988

- 2.15 Area Constant

143.67 US survey feet. / 43.79071 meters.

Latest Observation Date: October, 18, 2010 Greenwich Mean Time 4:40:20 PM.

Epoch Date-1287420020

Julian Date- 2455488.19468

Observer: Enrique S. Urbieto

Under the Direct Supervision of :

Larry R. Dresden

Registered Land Surveyor,

Arizona License # 19329 California License # 5643



BENCHMARK # 2133

Found a 2 1/2 -inch diameter brass cap stamped "BUREAU OF RECLAMATION, T8S, R22W, S31, S32, S5, S6, 1936", Approximately 22 inches below the asphalt road surface.

This is a Section Corner being the

Southeast Corner of Section 31, T8S, R22W;

Southwest Corner of Section 32, T8S, R22W;

Northwest Corner of Section 5, T9S, R22W:

Northeast Corner of Section 6, T9S, R22W, of the Gila and Salt River Base and Meridian.

Being located at the centerline of Avenue 5E and 24th Street.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'04.08617" North

Longitude 114°32'50.07388" West

Ellipsoid Height 34.627 survey feet, (or 10.554 meters)

North 613,637.876 survey feet

East 254,943.963 survey feet

NGVD-1929-Elevation

141.138 survey feet, (or 43.019 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'04.08622" North

Longitude 114°32'50.07369" West

Ellipsoid Height 34.601 survey feet, (or 10.546 meters)

North 613,677.280 survey feet

East 454,706.983 survey feet

NAVD-1988-Elevation

143.381 survey feet, (or 43.703 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation. Using GEOID 2003.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Tuesday, December 13, 2005.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden

Registered Land Surveyor

Arizona License # 19329

California License # 5643



BENCHMARK # 2134

Found a 3-inch diameter brass cap stamped "U.S. CADASTRAL SURVEY, BUREAU OF LAND MANAGEMENT, T8S, R22W, S 31, S 6, ¼, T9S, R22W, 1960", approximately 26 inches below the asphalt road surface.

This is a Section Corner being the
South ¼ Corner of Section 31, T8S, R22W:
North ¼ Corner of Section 6, T9S, R22W, of the Gila and Salt River Base and Meridian.

Being located at the centerline of Avenue 4 ½ E and 24th Street.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'03.87172" North
Longitude 114°33'20.92268" West
Ellipsoid Height 91.035 survey feet, (or 27.748 meters)
North 613,636.096 survey feet
East 252,307.233 survey feet

NGVD-1929-Elevation

197.552 survey feet, (or 60.214 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'03.87188" North
Longitude 114°33'20.92270" West
Ellipsoid Height 91.012 survey feet, (or 27.741 meters)
North 613,675.532 survey feet
East 452,070.236 survey feet

NAVD-1988-Elevation

199.697 survey feet, (or 60.868 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation. Using GEOID 2003.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Tuesday, December 13, 2005.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License # 19329
California License # 5643



BENCHMARK # 2135

Found a 3-inch brass cap with punch, stamped "ADOT HIGHWAY DIVISION", approximately 1 foot below the asphalt road surface.

This is a Section Corner being the
Southwest Corner of Section 31, T8S, R22W;
Southeast Corner of Section 36, T8S, R23W;
Northwest Corner of Section 6, T8S, R22W;
Northeast Corner of Section 1, T9S, R23W, of the Gila and Salt River Base and Meridian.

Being located at the intersection of Avenue 4E and Gila Ridge Road.

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'03.65375" North
Longitude 114°33'51.55332" West
Ellipsoid Height 107.508 survey feet, (or 32.769 meters)
North 613,634.032 survey feet
East 249,689.144 survey feet

NGVD-1929-Elevation

216.263 survey feet, (or 65.917 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'03.65367" North
Longitude 114°33'51.55327" West
Ellipsoid Height 107.516 survey feet, (or 32.771 meters)
North 613,673.463 survey feet
East 449,452.153 survey feet

NAVD-1988-Elevation

218.438 survey feet, (or 66.580 meters)

These are the results of a 30-minute Trimble 4800 RTK Observation. Using GEOID 2003.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Tuesday, December 13, 2005.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License # 19329
California License # 5643



BENCHMARK # 2136

Found a 3-inch diameter brass cap stamped "CADASTRAL SURVEY, BUREAU OF LAND MANAGEMENT, T8S, R23W, S36, S1, T9S, 1960", approximately 6 inches below the dirt road surface.

This is a Section Corner being the
South ¼ Corner of Section 36, T8S, R23W;
North ¼ Corner of Section 1, T9S, R23W, of the Gila and Salt River Base and Meridian.

Located at approximately what it would be the centerline of Avenue 3 ½ E and County 10th Street (City of Yuma's 24th Street).

NAD-1927-Coordinates (Arizona West Zone 0203)

Latitude 32°41'03.41509" North
Longitude 114°34'22.53171" West
Ellipsoid Height 106.104 survey feet, (or 32.341 meters)
North 613,630.316 survey feet
East 247,041.317 survey feet

NGVD-1929-Elevation

214.860 survey feet, (or 65.489 meters)

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'03.41511" North
Longitude 114°34'22.53161" West
Ellipsoid Height 106.117 survey feet, (or 32.345 meters)
North 613,669.776 survey feet
East 446,804.330 survey feet

NAVD-1988-Elevation

217.040 survey feet

These are the results of a 30-minute Trimble 4800 RTK Observation. Using GEOID 2003.

Previous Observation Date:

Previous Observer:

Latest Observation Date: Monday, December 19, 2005.

Observer: Martin Sandoval.

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License # 19329
California License # 5643



BENCHMARK #2137

~~"A"~~

A City of Yuma 3-inch diameter brass cap properly stamped, with a punch mark, and LS19329, set with epoxy into the concrete railroad overpass located at Avenue 3E and 24th Street. This point is directly OVER and ABOVE "B".

NAD-1983-Coordinates

Latitude 32° 41' 03.17936" North

Longitude 114° 34' 53.50559" West

Ellipsoid Height 139.306 survey feet

North 613,666.4931 survey feet

East 444,156.8972 survey feet

NAVD-1988-Elevation

250.210 survey feet

NAD-1927-Coordinates

North 613,627.061 survey feet

East 244,393.985 survey feet

NGVD-1929-Elevation

248.070 survey feet

"B"

A City of Yuma 3-inch brass cap properly stamped, with a punch mark, and LS19329, set in a 24-inch diameter pvc concrete cylinder, approximately 2 feet above the slag & cinders of the railroad bed and approximately 2 feet North of the most Northerly railroad rail of the most Northerly set of railroad tracks, located at Avenue 3E and 24th Street. This is underneath of the Avenue 3E railroad overpass. This was set directly over a YCHD properly stamped lead cap in concrete which had been set directly over the original GLO brass cap.

NAD-1983- Coordinates

Latitude

Longitude

Ellipsoid Height

North 613,666.4931 survey feet

East 444,156.8972 survey feet

NAVD-1988-Elevation

220.529 survey feet

NAD-1927-Coordinates

North 613,627.061 survey feet

East 244,393.985 survey feet

NGVD-1929-Elevation

220.661 survey feet

Observation Date: Monday, June 2, 2003.

Observer: Larry R. Dresden

Registered Land Surveyor

Arizona License #19329

California License #5643



BENCHMARK # 2138

Found, a 1in. dia. pipe, 17in. long, with split side being "rolled" pipe not solid extended ^{red} pipe, without cap or tag at surface of gravel road. N24°40'39"E a distance of 0.57ft. from calculated point. Set a 3in. dia. Brass Cap, LS 19329-COY-2010 properly stamped in a 3in. ID galvanized pipe encased in concrete 4in. below ground at calculated point. This is the Center ¼ Corner of Section 22, T9S,R22W,G&SRB&M.

Located on Ave. 7 ½ E. and 52nd. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°38'01.92083" North

Longitude 114°30'13.22105" West

Ellipsoid Height : 107.243 US survey feet / 107.243 International feet / 32.68773 Meters.

North 595,168.861 US survey feet / 595,170.0513 International feet.

East 467,982.197 US survey feet / 467,983.133 International feet.

NAVD-1988-Elevation

218.57 US survey feet. / 218.57 International feet. / 66.62028 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

218.57 NAVD-1988

-2.15 Area Constant

216.42 US survey feet. / 65.9650 Meters.

Latest Observation Date: May 06, 2010 Greenwich Mean Time 5:32:39 PM.

Epoch Date- 1273167159

Julian Date- 2455323.23101

Observer: Enrique S. Urbietta, Jesse Gonzalez and Louis Romero

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2139

Found, a 1½in. ID pipe, 14in. below ground. Set a 3" dia. Brass cap, properly stamped. LS 19329-COY-2010, in 3in. ID by 2ft. long galvanized pipe, encased in concrete, 16in. above ground. This is the Center ¼ Corner for Section 14, T9S,R22W,G&SRB&M.

Located on Ave. 8 ½ E. and 44th. St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°38'54.54199" North

Longitude 114°29'12.02360" West

Ellipsoid Height : 117.116 US survey feet / 117.116 International feet / 35.69703 Meters.

North 600,450.220 US survey feet / 600,451.4209 International feet.

East 473,252.500 US survey feet / 473,253.4465 International feet.

NAVD-1988-Elevation

228.26 US survey feet. / 228.26 International feet. / 69.5738 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

228.26 NAVD-1988

-2.15 Area Constant

226.11 US survey feet. / 68.91847 Meters.

Latest Observation Date: May 06, 2010 Greenwich Mean Time 4:34:52 PM.

Epoch Date- 1273163692

Julian Date- 2455323.19088

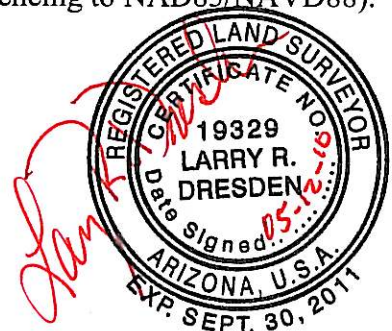
Observer: Enrique S. Urbieta and Louis Romero

Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise Vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88). Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2140

*(Previously Published as # 2007
IN ERROR)*

In May 11, 2010 COY Survey Dept. found a 4x4in. Redwood Post with a 4 penny nail in center, also S16 stamped on west side, 16in. above ground. Set a 3in. dia. brass cap in a 3in. ID galvanized pipe encased in concrete 10 inches above ground. Found a 3in. dia. brass cap LS 19329-COY-2010 properly stamped, encased in concrete, 20 inches below ground. This monument was lowered by Juan Lomeli because of field leveling in the area. This is the West Quarter Corner of Section 15, T9S, R22W, of the Gila And Salt River Base And Meridian.

Located at Ave. 7E. and 44th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°38'54.07343" North

Longitude 114°30'45.07709" West

Ellipsoid Height 96.607 US Survey Feet / 96.607 International Feet / 29.44588 Meters.

North 600,459.1410 US Survey Feet. / 600,460.3419 International Feet.

East 465,295.8830 US Survey Feet. / 465,296.8136 International Feet.

NAVD-1988-Elevation

207.84 US Survey Feet. / 207.84 International Feet. / 63.34976 Meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: May 11, 2010 Previous Observer: Enrique Urbietta, Jesse Gonzalez

NGVD-1929-Elevation

207.84 NAVD-1988

- 2.15 Area Constant

205.69 US Survey Feet. / 205.69 International Feet. / 62.69444 Meters.

Latest Observation Date: April 09, 2013 Greenwich Mean Time 04:25:27 PM.

Epoch Date - 1365531927

Julian Date - 2456392.18434

Observer: Enrique S. Urbietta.

DISCLAIMER STATEMENT

Since this point is outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying from the Trimble GPS Radio Base Station at COYA, the integrity of the point's coordinates and elevations have been compromised and should be re-evaluated prior to usage by comparison to at least 2 other known points on the City of Yuma Datum within the 10 Kilometers, (6.21 miles), range of the Trimble GPS Radio Base Station at COYA, in order to verify the correct coordinates and elevations of the point in reference to the City of Yuma Datum.

Under the Direct Supervision of : Larry R. Dresden

Registered Land Surveyor

Arizona License #19329 California License # 5643



BENCHMARK # 2141

Found, a $\frac{1}{2}$ in. ^{DIA.} rebar with plastic cap LS 22767, 1 in. below ground. This is the Center $\frac{1}{4}$ Corner of Section 15, T9S, R22W, G&SRB&M.

Located on Ave. 7 $\frac{1}{2}$ E. and 44th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°38'54.30768" North

Longitude 114°30'14.07014" West

Ellipsoid Height : 99.599 US survey feet / 99.599 International feet / 30.35784 Meters.

North 600,463.807 US survey feet / 600,465.0079 International feet.

East 467,947.207 US survey feet / 467,948.1429 International feet.

NAVD-1988-Elevation

210.82 US survey feet. / 210.82 International feet. / 64.2581 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

210.82 NAVD-1988

-2.15 Area Constant

208.67 US survey feet. / 63.60275 Meters.

Latest Observation Date: May 05, 2010 Greenwich Mean Time 6:30:35 PM.

Epoch Date- 1273676453

Julian Date- 2455322.3191

Observer: Enrique S. Urbietta and Louis Romero

Since this particular geodetic survey control point is situated outside the Trimble Factory Designed Range of 10 Kilometers, (6.21 miles), for Real Time Kinematic, (RTK), Surveying as measured from the Trimble 4800 GPS Radio Base Station transmitting from COYA, (located atop the C.O.Y. Public Works Administration Building at 155 West 14th Street), the integrity of this particular geodetic survey control point's coordinates and elevation have been compromised and should be re-evaluated by the Surveyor prior to his incorporating it into his survey by his performing a comparison to at least 2 other known geodetic survey control points that situated on the City of Yuma's Datum, (NAD27/NGVD29 or cross referenced to NAD83/NAVD88), that fall within the range of 10 kilometers, (6.21 miles), from the Trimble 4800 GPS Radio Base Station transmitting from COYA, in order to confirm the precise horizontal coordinates and the precise Vertical elevation of this particular geodetic survey control point when incorporating it into the City of Yuma's Datum, (NAD27/NGVD29 or cross referencing to NAD83/NAVD88).

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



BENCHMARK # 2142

Found previously a 3in. dia. Aluminum cap, A.D.O.T. no punch mark 4in. below asphalt in frame and cover. After asphalt replacement project this was replaced by a 3in. Brass cap LS 22767-DRA-2013, properly stamped in frame and cover 6in. below asphalt. This is the Common Quarter Corner of Sections 21 and 28, T8S, R23W of the Gila & Salt River Base and Meridian.

Located on 4th Ave. and 8th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°42'47.08515" North

Longitude 114°37'28.71586" West

Ellipsoid Height : 87.908 US Survey Feet / 87.908 International Feet / 26.79441 Meters.

North 624,274.4930 US Survey Feet / 624,275.7416 International Feet.

East 430,978.0380 US Survey Feet / 430,978.9000 International Feet.

NAVD-1988-Elevation

198.81 US Survey Feet. / 198.81 International Feet. / 60.59741 Meters.

These are the results of 10min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: August 20, 2010

Previous Observer: Enrique S. Urbieto and Louis Romero.

NGVD-1929-Elevation

198.81 NAVD-1988

-2.15 Area Constant

196.66 US Survey Feet. / 59.94209 Meters.

Latest Observation Date: October 24, 2013 Greenwich Mean Time 11:04:47 AM.

Epoch Date- 1382612687

Julian Date- 2456589.96166

Observer: Enrique S. Urbieto and Louis Romero.

BENCHMARK # 2143

ACCEPTED AS TRUE POINT; FITS BALANCED SECTION.

Set 3in. dia. Brass Cap LS 19329-COY-2010, properly stamped, in 6in. dia. PVC pipe encased in concrete 6in. below field road. Found previously a 5/8in. dia. Rebar 2ft. below field road. This is the Center $\frac{1}{4}$ Corner for Section 32, T8S, R22W, G&SRB&M.

DID NOT FIND PLASTIC CAP NOR BRASS TAG.

Located on Ave. 5 $\frac{1}{2}$ E. and 20th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°41'30.52190" North

Longitude 114°32'19.02753" West

Ellipsoid Height : 34.585 US Survey Feet / 34.585 International Feet / 10.54154 Meters.

North 616,329.1000 US Survey Feet / 616,330.3327 International Feet.

East 457,380.4410 US Survey Feet / 457,381.3558 International Feet.

NAVD-1988-Elevation

145.50 US Survey Feet. / 145.50 International Feet. / 44.3485 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD-1929-Elevation

145.50 NAVD-1988

-2.15 Area Constant

143.35 US Survey Feet. / 43.6932 Meters.

Latest Observation Date: November, 13, 2010 Greenwich Mean Time 4:11:54 PM.

Epoch Date- 1288800714

Julian Date- 2455504.17493

Observer: Enrique S. Urbieto

Under the Direct Supervision of:

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643

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BENCHMARK # 2249

Set 3in. dia. Brass Cap LS 19329-COY-2010, properly stamped, encased in concrete 6in. below asphalt road in frame and cover. Found previously a 1/2in. dia. Rebar with cap LS 16810, 1in. below asphalt. This is the Common 1/4 Corner for Section 8 and 17, T9S, R22W, G&SRB&M.

Located on Ave. 5 1/2 E. and 40th St.

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°39'19.75620" North

Longitude 114°32'18.18013" West

Ellipsoid Height : 99.452 US Survey Feet / 99.452 International Feet / 30.31303 Meters.

North 603,112.8610 US Survey Feet / 603,114.0672 International Feet.

East 457,354.6410 US Survey Feet / 457,355.5557 International Feet.

NAVD-1988-Elevation

210.67 US Survey Feet. / 210.67 International Feet. / 64.2124 Meters.

These are the results of 30 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date: April 13, 2005

Previous Observer: Louis Romero

NGVD-1929-Elevation

210.67 NAVD-1988

- 2.15 Area Constant

208.52 US Survey Feet. / 43.6932 Meters.

Latest Observation Date: October 25, 2010 Greenwich Mean Time 4:44:07 PM.

Epoch Date- 1288025047

Julian Date- 2455495.1973

Observer: Enrique S. Urbietta

Under the Direct Supervision of :

Larry R. Dresden, Registered Land Surveyor

Arizona License #19329

California License # 5643



UPDATED

BENCHMARK # 2144
NGS POINT # 33 AZ/CA **BOUNDARY**
DB 1333

Found a 3" diameter NGS brass cap, as described by the Costal And Geodetic Survey. The Station is a standard Station Mark Disk, Stamped Point Number 33, 1964, Cemented in a 4 inch Drill Hole, in the Determined Center of U.S. Highway 80 Bridge Over the Colorado River. The Disk is 7 inches below asphalt of Median.

Located on 4th. Ave. on the Center of the U.S. 80 Bridge Over the Colorado River

NAD-1983-Coordinates (Arizona West Zone 0203)

Latitude 32°43'45.53762" North

Longitude 114°37'28.38145" West

Ellipsoid Height 52.913 US survey feet / 52.913 International feet / 16.12794 meters.

North 630,181.7930 US survey feet./ 630,183.0534 International feet.

East 431,055.3570 US survey feet / 431,056.2191 International feet.

NAVD-1988-Elevation

163.73 US survey feet. / 163.73 International feet. / 49.9051 meters.

These are the results of 15 min. Trimble 5800 RTK Observation with 2003 Geoid.

Previous Observation Date:

Previous Observer:

NGVD - 1929 Elevation

163.73 NAVD - 1988

- 2.15 Area Constant

161.58 Survey Feet. / 49.2497 Meters.

Latest Observation Date: February 16, 2011 Greenwich Mean Time- 4:25:37 PM.

Epoch Date-1297873537

Julian Date- 2455609.18434

Observer: Enrique S. Urbieto

Under the Direct Supervision of: Larry R. Dresden
Registered Land Surveyor
Arizona License #19329
California License # 5643

